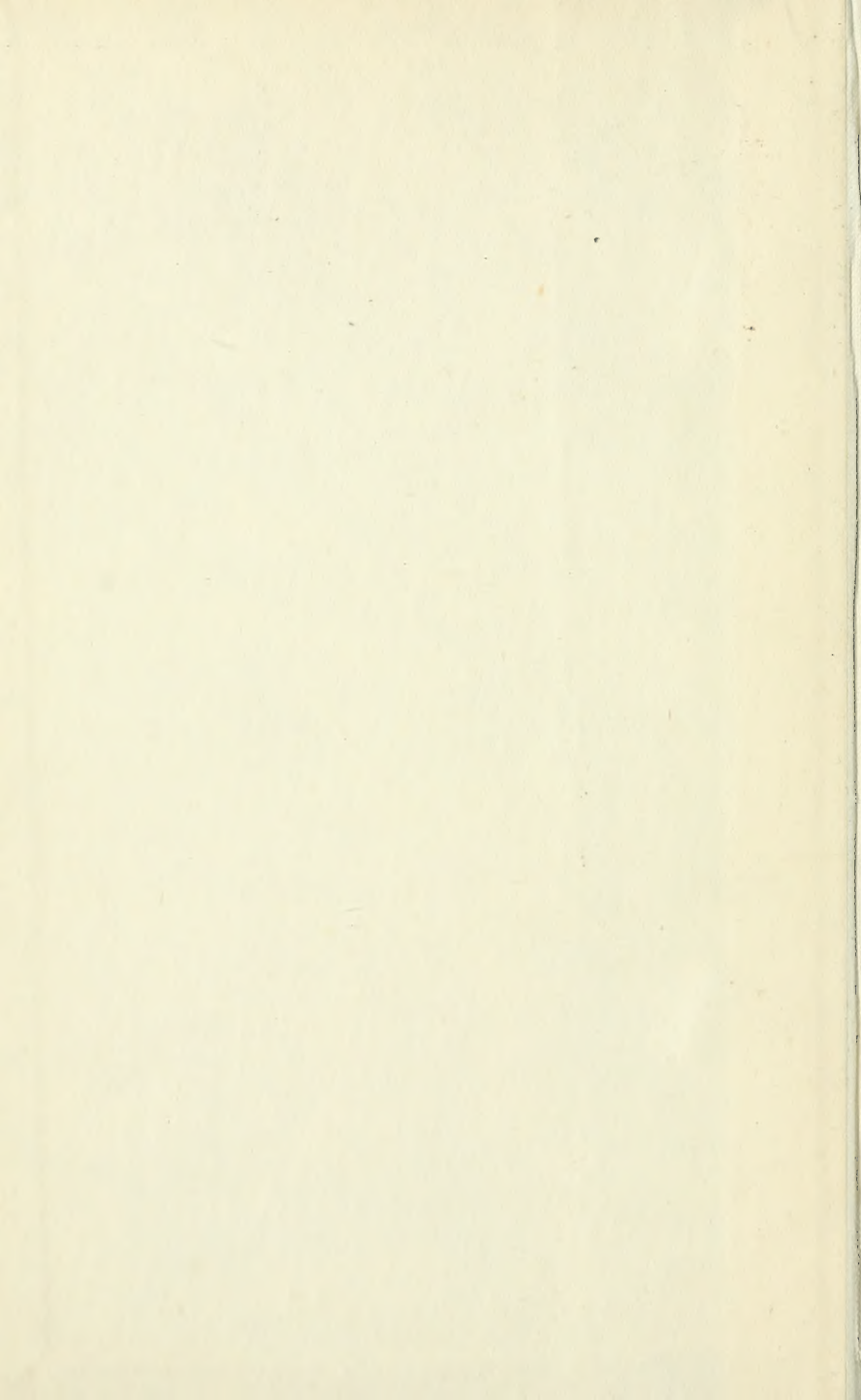


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III

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INSTRUCTIONS.

The present volume contains (a) Schedules and Indexes in four languages; (b) An Author Catalogue; (c) A Subject Catalogue.

The Schedules have been revised in accordance with the decisions of the International Convention of 1905.

The Subject Catalogue begins with some general sections 0000 to 0220. It is then divided into Palaeozoology and Palaeobotany. Each of these main divisions is sub-divided into three sections. The first section gives the publications arranged according to strata; in the second section the arrangement is according to fossils; while the third section gives a list of new genera and species.

In each section the final arrangement of papers is in the alphabetical order of authors' names.

To find the papers dealing with a particular subject the reader may consult either the Schedule or the Index to the Schedule. The numbers given in the Index are Registration numbers, and can be used at once for turning to the proper page of the Subject Index. This is done by looking at the numbers at the right-hand top corners of the pages.

In the Author Catalogue the numbers placed within square brackets at the end of each entry are Registration numbers, and serve to indicate the scope of each paper indexed. The meaning of these numbers will at once be found by reference to the Schedule.

In case the abbreviated titles of Journals are not understood, a key to these is provided at the end of the volume.

There is an alphabetical index at the end of the volume.

The literature indexed is mainly that of 1914, but includes those portions of the literature of 1901-1913 in regard to which the index slips were received by the Central Bureau too late for inclusion in the previous volumes.

TOPOGRAPHICAL SYMBOLS.

These symbols are letters printed in *italics*. They are explained in the Topographical Classification. They are not used instead of Registration numbers, but for sub-dividing the sections.

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International Catalogue of Scientific Literature

SCHEDULE

OF

CLASSIFICATION

(K) PALÆONTOLOGY

(K) PALÆONTOLOGY.

- 0000 Philosophy.
 0010 History. Biography.
 0020 Periodicals. Reports of Institutions, Societies, Congresses, etc.
 0030 General Treatises, Text Books, Dictionaries, Collected Works, Tables.
 0032 Bibliographies.
 0040 Addresses, Lectures, etc., of a general character.
 0050 Pedagogy.
 0060 Institutions, Museums, Collections.
 0070 Nomenclature.
 0100 Distribution of Life (Animal and Vegetable) in Past Times.
 0150 Zonal Palæontology; Mutations (Changes of Form in Successive Strata), etc.
 0200 Evolution. (See also L 4300; N 0223; M 4400.)
 0210 Fossils of Indeterminate Biological Character.
 0220 Fossilisation.

The numerical symbol to be used for Palæontological books and papers is obtained by a combination of the Geological stratigraphical number (two figures), with a number (four figures) representing the sub-division of the animal or vegetable kingdom to which the fossil forms described belong. Thus a paper on Triassic Cephalopoda will have the symbol K 65.2231, one on Carboniferous ferns will be numbered K 55.6700.

The numbers for Zoological subdivisions are identical with those used in the Zoological schedule. The numbers for Botanical subdivisions are identical with those used in the Botanical schedule.

The alphabetical symbols for Topography can be added, if necessary. In this case a paper on Cretaceous Fishes from Asiatic Turkey would bear the symbol K 75.5431 *ci*.

(K) PALÄONTOLOGIE.

- Philosophie.
 Geschichte. Biographien.
 Periodica, Berichte von Instituten, Gesellschaften, Kongressen etc.
 Allgemeine Abhandlungen, Lehrbücher, Wörterbücher, Sammelwerke, Tabellen.
 Bibliographien.
 Festreden, Vorträge u. s. w., allgemeiner Art.
 Pädagogik.
 Institute, Museen, Sammlungen.
 Nomenklatur.
 Verteilung des Lebens (des tierischen und pflanzlichen) in vergangenen Zeiten.
 Zonare Paläontologie; Mutationen (Formenänderungen in aufeinander folgenden Schichten) etc.
 Entwicklung. (Siehe auch L 4300; N 0223; M 4400.)
 Fossilien unbestimmten biologischen Charakters.
 Versteinerung.

Das Zahlensymbol, welches für paläontologische Bücher und Schriften zu benutzen ist, wird gewonnen durch Combination der stratigraphischen geologischen Nummer (zwei Ziffern) mit einer vierziffrigen Zahl welche die Unterabteilung des Tier- oder Pflanzenreiches angibt, zu der die beschriebenen fossilen Formen gehören. So würde eine Abhandlung über triassische Cephalopoden das Symbol erhalten: K 65.2231; eine solche über Farne des Carbon würde zu numerieren sein: K 55.6700.

Die Nummern für die zoologischen Unterabteilungen sind identisch mit den im zoologischen Schema benutzten. Die Nummern für die botanischen Unterabteilungen sind identisch mit den im botanischen Schema benutzten.

Wenn nötig, können die alphabetischen Symbole für Topographie hinzugefügt werden. In diesem Falle würde eine Abhandlung über Fische der Kreide aus der asiatischen Türkei das Symbol tragen: K 75.5431 *ci*.

(K) PALÉONTOLOGIE.

- 0000 Philosophie.
 0010 Histoire. Biographies.
 0020 Périodiques. Rapports d'Institutions, de Sociétés, de Congrès, etc.
 0030 Traités généraux, Manuels, Dictionnaires, Recueils, Tables.
 0032 Bibliographies.
 0040 Discours, Cours, etc., d'un caractère général.
 0050 Enseignement.
 0060 Institutions, Musées, Collections.
 0070 Nomenclature.
 0100 Distribution géographique des animaux et des plantes dans les temps passés.
 0150 Paléontologie stratigraphique ; changements de formes dans les couches successives, etc.
 0200 Evolution. (*Voy. aussi* L. 4300 N 0223 ; M 4400.)
 0210 Fossiles dont le caractère biologique n'est pas déterminé.
 0220 Fossilisation.

Le symbole numérique qui devra être employé pour les livres et mémoires paléontologiques est obtenu par une combinaison du nombre stratigraphique (2 chiffres) avec un nombre (4 chiffres) représentant la subdivision du règne animal ou végétal à laquelle appartient la forme fossile décrite. Ainsi un mémoire sur les Céphalopodes triasiques devra porter l'indice K 65.2231 ; un mémoire sur les Fougères carbonifères portera l'indice K 55.6700.

Les nombres pour les subdivisions zoologiques sont identiques à ceux qui sont employés dans la classification zoologique. Les nombres pour les subdivisions botaniques sont identiques à ceux qui sont employés dans la classification botanique.

Les symboles alphabétiques pour la Topographie peuvent être ajoutés, si c'est nécessaire. Dans ce cas un mémoire sur les Poissons crétacés de la Turquie d'Asie porterait le symbole K 75.5431 *ei*.

(K) PALEONTOLOGIA.

- Filosofia.
 Storia. Biografie.
 Periodici. Resoconti di Istituti, Società, Congressi, ecc.
 Trattati generali, Libri di testo
 Dizionari, Raccolte, Tavole.
 Bibliografie.
 Discorsi, Letture, ecc., aventi un carattere generale.
 Pedagogia.
 Istituti, Musei, Collezioni.
 Nomenclatura.
 Distribuzione della vita (animale e vegetale) nei passati tempi.
 Paleontologia stratigrafica ; mutazioni (cambiamenti di forma in strati successivi), ecc.
 Evoluzione. (*Vedi anche* L 4300 ; N 0223 ; M 4400.)
 Fossili il cui carattere biologico è indeterminato.
 Fossilizzazione.

Il simbolo numerico da usarsi per libri e memorie paleontologiche è ottenuto colla combinazione del numero stratigrafico-geologico (due cifre) col numero (quattro cifre) rappresentante la suddivisione del regno animale o vegetale al quale le descritte forme fossili appartengono. Così una memoria sopra Cefalopodi triassici avrà il simbolo K 65.2231 ; una sovra Felci carbonifere sarà numerata K 55.6700.

I numeri per le suddivisioni zoologiche sono identici con quelli usati nella schedula zoologica. I numeri per le suddivisioni botaniche sono identici con quelli usati nella schedula botanica.

I simboli alfabetici per la Topografia possono venir aggiunti, ove necessario. In tal caso una nota sovra Pesci cretacei della Turchia Asiatica porterà il simbolo K 75.5431 *ei*.

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6031	Mammalia	38. 6031	39. 6031	45. 6031	50. 6031
5831	Aves	38. 5831	39. 5831	45. 5831	50. 5831
5031	Reptilia et Batrachia	...	...	...	38. 5031	39. 5031	45. 5031	50. 5031
5431	Pisces	...	...	...	38. 5431	39. 5431	45. 5431	50. 5431
5031	Tunicata, Amphioxus, &c.	...	...	...	38. 5031	39. 5031	45. 5031	50. 5031
2431	Arthropoda, incl. Insecta	...	...	...	38. 2431	39. 2431	45. 2431	50. 2431
3431	Myriopoda	...	...	...	38. 3431	39. 3431	45. 3431	50. 3431
3031	Arachnida	...	...	...	38. 3031	39. 3031	45. 3031	50. 3031
2831	Xiphosura, Euripterida, Trilobita, &c.	...	...	...	38. 2831	39. 2831	45. 2831	50. 2831
2631	Crustacea	...	...	...	38. 2631	39. 2631	45. 2631	50. 2631
2231	Mollusca, incl. Cephalopoda, Gastropoda, Amphineura, Scaphopoda et Lamellibran- chia (Pelecypoda)...	...	...	...	38. 2231	39. 2231	45. 2231	50. 2231
2031	Brachiopoda, incl. Bryozoa (Polyzoa)	...	...	...	38. 2031	39. 2031	45. 2031	50. 2031
1831	Vermes	...	...	...	38. 1831	39. 1831	45. 1831	50. 1831
1031	Echinodermata	...	...	...	38. 1031	39. 1031	45. 1031	50. 1031
0831	Coelelenterata, incl. Graptolithoidea	38. 0831	39. 0831	45. 0831	50. 0831
0631	Porifera	38. 0631	39. 0631	45. 0631	50. 0631
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0131	Fossilia affinitatis vel originis incertae	38. 0131	39. 0131	45. 0131	50. 0131

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5400	Dicotyledones	38. 5400	39. 5400	45. 5400	50. 5400
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6500	Gymno-permeae	38. 6500	39. 6500	45. 6500	50. 6500
6800	Cycadofilices (Pteridospermeae)	38. 6800	39. 6800	45. 6800	50. 6800
6700	Pteridophyta	...	...	...	38. 6700	39. 6700	45. 6700	50. 6700
7000	Musci et Hepaticae	...	...	...	38. 7000	39. 7000	45. 7000	50. 7000
7300	Characeae	...	...	...	38. 7300	39. 7300	45. 7300	50. 7300
7400	Algae et Schizophyceae	...	...	...	38. 7400	39. 7400	45. 7400	50. 7400
7600	Lichenes	...	...	...	38. 7600	39. 7600	45. 7600	50. 7600
7700	Fungi, Bacteria, et Mycetozoa	38. 7700	39. 7700	45. 7700	50. 7700
7900	Plantae incertae sedis	38. 7900	39. 7900	45. 7900	50. 7900

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55.0231	60.0231	65.0231	70.0231	75.0231	80.0231	85.0231	90.0231	95.0231
55.5231	60.5231	65.5231	70.5231	75.5231	80.5231	85.5231	90.5231	95.5231
55.6031	60.6031	65.6031	70.6031	75.6031	80.6031	85.6031	90.6031	95.6031
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Néozoïque inférieur. Eocène, Oligocène 85	Cenozoico inferiore. Eocene, Oligocene 85
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Pleistocène et terrains récent 95	Pleistocene e recente 95



International Catalogue of Scientific Literature

TOPOGRAPHICAL CLASSIFICATION

TOPOGRAPHICAL CLASSIFICATION.

[To be used in connexion with Geography, Geology, Botany, Zoology, etc.]

1.—MAIN DIVISIONS.

- a. The Earth as a whole.
- b. Land as a whole.
- c. Ocean as a whole.
- d. Europe and Mediterranean Sea and Islands.
- e. Asia and Malay Archipelago, Celebes and Timor inclusive.
- f. Africa and Madagascar.
- g. North America, including Mexico.
- h. Central and South America, and West Indian Islands.
- i. Australia, Tasmania and New Zealand, with New Guinea, Gilolo, and Moluccas to west, and including the Solomon Islands, New Hebrides, and New Caledonia to east.
- k. Arctic: Greenland and the area north of the Arctic Circle, or of the coasts of Continental America, Asia, and Europe, whichever is farther north.
- l. Atlantic and Islands from Arctic Circle to Lat. 45° S.—the southern portion bounded on the east by the meridian 20° E. of Greenwich, south of the coast of Africa; and on the west by the coast of South America.
- m. Indian Ocean and Islands limited on the south by Lat. 45° S.; on the west by the meridian 20° E. of Greenwich; on the east by the coast of Australia and the meridian 147° E. of Greenwich.
- n. Pacific and Islands from the Arctic Circle to Lat 45° S.; and between meridian 147° E. of Greenwich and the coast of South America.
- o. Antarctic: the area south of 45° S. except the Falkland Islands and the southern parts of South America and New Zealand. (*See mb.*)

TOPOGRAPHISCHE KLASSIFIKATION.

[In Verbindung mit Geographie, Geologie, Botanik, Zoologie etc. zu benutzen.]

1.—HAUPT-ABSCHNITTE.

- Die Erde als Ganzes.
- Das Festland als Ganzes.
- Der Ocean als Ganzes.
- Europa und das Mittelländische Meer mit seinen Inseln.
- Asien und der Malayische Archipel, einschliesslich Celebes und Timor.
- Afrika und Madagaskar.
- Nord-Amerika, einschliesslich Mexiko.
- Central- und Süd-Amerika, Westindische Inseln.
- Australien, Tasmanien und Neu-Seeland, mit Neu-Guinea, Gilolo und Molukken nach Westen, und mit Salomo-Inseln, Neuen Hebriden und Neu-Caledonien nach Osten.
- Arktisches Gebiet: Grönland und der nördlich des Polarkreises oder der Küsten von Amerika, Asien und Europa gelegene Raum, je nachdem das Eine oder das Andere weiter nach Norden liegt.
- Atlantisches Gebiet mit seinen Inseln vom Polarkreis bis 45° S. Br.; der südliche Theil wird südlich von Afrika nach Osten durch den Meridian 20° O. [v. Gr.] begrenzt und reicht im Westen bis zur Küste von Süd Amerika.
- Der Indische Ocean mit seinen Inseln reicht im Süden bis 45° S. Br.; im Westen bis 20° O.L.; im Osten bis zur Küste von Australien und dem Meridian 147° O.L.
- Pacifisches Gebiet mit seinen Inseln, vom Nordpolarkreis bis 45° S. Br., im südlichen Theil begrenzt durch den Meridian 147° O. L. nach Westen, und die Küste von Süd-Amerika nach Osten.
- Antarktisches Gebiet, umfasst das Gebiet südlich von 45° S. Br., mit Ausschluss der Falklands-Inseln, der südlichen Teile von Süd Amerika und Neu-Seelands. (*See mb.*)

CLASSIFICATION TOPO- GRAPHIQUE.

[Cette classification sera appliquée à la géographie, à la géologie, à la botanique, à la zoologie, etc.]

1.—GRANDES DIVISIONS.

- a. Données d'ensemble relatives au globe terrestre.
- b. Données d'ensemble relatives aux continents.
- c. Données d'ensemble relatives aux océans.
- d. Europe avec la Mer méditerranéenne et ses îles.
- e. Asie et Archipel Malais, Célèbes et Timor incius.
- f. Afrique et Madagascar.
- g. Amérique du Nord, le Mexique inclu.
- h. Amérique centrale et méridionale avec les Antilles.
- i. Australie, Tasmanie et Nouvelle Zélande avec la Nouvelle Guinée, Gilolo et les Moluques à l'ouest, les îles Salomon, les Nouvelles Hébrides et la Nouvelle Calédonie à l'est.
- k. Régions arctiques: Groenland et la zone au nord, soit du cercle polaire, soit des côtes américaines, asiatiques et européennes.
- l. Atlantique avec les îles comprises entre le cercle polaire arctique et le 45° de lat. S. Partie sud de l'Atlantique limitée à l'est par le méridien 20° E. (Greenwich), au sud de l'Afrique; et à l'ouest par lat côte de l'Amérique du sud.
- m. Océan Indien avec les îles situées dans l'espace limité dans le sud par le 45° de lat. S.; à l'ouest par le méridien 20° E. (Greenwich); à l'est par la côte australienne et le méridien 147° E. (Greenwich).
- n. Le Pacifique avec les îles comprises, en latitude, du cercle polaire arctique au 45° de lat. S.; en longitude, du méridien 147° E. (Greenwich) à la côte de l'Amérique du sud.
- o. Régions antarctiques: depuis le 45° de lat. S., moins les Falkland, la pointe sud de l'Amérique méridionale et la Nouvelle Zélande. (*Voy. mb.*)

CLASSIFICAZIONE TOPO- GRAFICA.

[Da usarsi in rapporto con la Geografia, Geologia, Botanica, Zoologie ecc.]

1.—DIVISIONI PRINCIPALI.

La Terra nel suo complesso.

Le terre emerse.

L'oceano nel suo complesso.

Europa e mare Mediterraneo con le sue isole.

Asia e Arcipelago Malese, comprese Celebes e Timor.

Africa e Madagascar.

America settentrionale, compreso il Messico.

America Centrale e Meridionale, e Indie Occidentali.

Australia, Tasmania e Nuova Zeland colla Nuova Guinea, Gilolo e Molucche verso Ponente, le Salomone, le Nuove Ebridi e la Nuova Caledonia verso Levante.

Regione Artica: Groenlandia e l'area a Nord del Circolo Polare, ovvero a Nord delle coste dell'America continentale, dell'Asia e dell'Europa.

L'Atlantico e le sue Isole dal Circolo Polare Artico alla Lat. di 45° S.; limitato nella sua parte meridionale, oltre la costa Africana, dal 20° E. da Greenwich ad Est, e dalla costa dell'America meridionale ad Ovest.

L'Oceano Indiano e le sue Isole, limitato a sud dal 45° di Lat. S., a Ponente dal meridiano 20° E. da Greenwich, a Levante dalla costa dell'Australia e dal 147° E. da Greenwich.

Il Pacifico e le sue Isole dal Circolo Polare Artico alla Lat. di 45° S., e tra il 147° meridiano E. da Greenwich e le coste dell'America meridionale.

Regione Antartica: cioè l'area meridionale limitata dal 45° S., eccetto le Isole Falkland e le parti meridionali dell'America del Sud e della Nuova Zeland. (*Vedi mb.*)

N.B.—As a general rule, Islands more than 100 miles from the continent to be classed as Oceanic, unless specially excepted.

2.—SUB-DIVISIONS.

d. EUROPE AND MEDITERRANEAN SEA AND ISLANDS.

- da.* Scandinavia: Sweden, Norway, Denmark; Iceland, Faeroes.
db. Russian Empire and Russia in Europe (including Caucasus).
dba. Northern Russia.
db. Southern Russia.
dbc. Central Russia.
dbd. Caucasus.
dbe. Ural.
dc. German Empire.
de. Holland; Belgium; Luxemburg.
de. British Islands.
df. France and Corsica.
dg. Iberian Peninsula (including Pyrenees: Spain with the Balearic Islands); Portugal.
dh. Italy, Sicily with Lipari Islands and Pantellaria). Sardinia.
di. Switzerland.
di. Alps.
dk. Austria-Hungary (Bosnia and Herzegovina included).
dl. Balkan Peninsula (Turkey in Europe, Roumania, Bulgaria, Servia, Montenegro and Greece).
dm. Mediterranean and Islands (Crete, Cyprus and Malta).
dn. Black Sea and Sea of Azov.
do. Baltic and Islands.
dp. North Sea.
dq. English Channel, including Channel Islands.

e. ASIA AND MALAY ARCHIPELAGO.

- ea.* Asiatic Russia.
eb. West Siberia.
ec. East Siberia.
ed. Central Asiatic Russia.
ee. China and Dependencies: Mongolia, Tibet, etc. Corea.
ef. Japanese Islands: Formosa.
eg. Indo-China: Tonquin, Annam, etc.

N.B.—Allgemeine Regel: Inseln, die mehr als 100 englische Meilen (160 Kilometer) vom Festland entfernt sind, sind, falls nicht besonders ausgenommen, als oceanisch zu klassifiziren.

2.—UNTERABTHEILUNGEN.

EUROPA UND DAS MITTELLÄNDISCHE MEER MIT SEINEN INSELN.

- Skandinavien: Schweden, Norwegen, Dänemark; Island, Faröer.
 Das russische Reich und das Europäische Russland (einschl. Kaukasus).
 Nordrussland.
 Südrussland.
 Centralrussland.
 Kaukasus.
 Ural.
 Das Deutsche Reich.
 Holland; Belgien; Luxemburg.
 Die Britischen Inseln.
 Frankreich und Corsica.
 Iberische Halbinsel (einschl. Pyrenäen: Spanien mit den balearischen Inseln; Portugal).
 Italien. Sicilien (mit den liparischen Inseln und Pantellaria). Sardinien.
 Die Schweiz.
 Die Alpen.
 Oesterreich-Ungarn (einschliesslich Bosnien und Herzegowina).
 Das Balkan- u. Balkanhalbinsel (Europäisches Türkei, Rumänien, Bulgarien, Serbien, Montenegro, Griechenland).
 Das Mittelländische Meer mit seinen Inseln (Creta, Cypern und Malta).
 Schwarzes Meer und Asowsches Meer.
 Die Ostsee mit ihren Inseln.
 Die Nordsee.
 Englischer Kanal, einschl. Kanal-Inseln.

ASIEN UND DER MALAYISCHE ARCHIPEL.

- Asiatisches Russland.
 Westsibirien.
 Ostsibirien.
 Russisches Centralasien.
 China und zugehörige Gebiete: Mongolen, Tibet, etc. Corea.
 Japanische Inseln; Formosa.
 Indochina: China: Tonquin, Annam, etc.

N.B.—En général les îles qui se trouvent à plus de 100 kilomètres du continent sont classées comme îles océaniques, à moins que l'in contraire ne soit stipulé spécialement.

N.B.—Come regola generale, le isole lontane più di 100 miglia inglesi (160 chilometri) dal continente sono classificate come oceaniche, salvo speciali eccezioni.

2.—SUBDIVISIONS.

d. EUROPE AVEC LA MÉDITERRANÉE ET SES ÎLES.

- da. Scandinavie : Suède, Norvège, Danemark ; Islande, îles Féroë.
db. Empire russe et Russie d'Europe avec le Caucase.

- dba. Russie Septentrionale.
dbb. Russie Méridionale.
dbc. Russie Centrale.
dbd. Caucase.
dbe. Région des Monts Oural.
dc. Empire Germanique.
dd. Hollande ; Belgique ; Luxembourg.
de. Îles Britanniques.
df. France et Corse.
dg. Péninsule ibérique (avec les Pyrénées) : Espagne (et Baléares) ; Portugal.
dh. Italie. Sicile (avec les îles Lipari et Pantellaria). Sardaigne.
di. Suisse.
dii. Alpes.
dk. Autriche-Hongrie (avec Bosnie et Herzégovine).
dl. Péninsule Balkanique (Turquie d'Europe, Roumanie, Bulgarie, Serbie, Monténégro et Grèce).

- dm. Méditerranée avec ses îles (Creta, Chypre et Malte).
dn. Mer Noire et Mer d'Azov.
do. La Baltique et ses îles.
dp. Mer du Nord.
dq. La Manche et ses îles.

e. ASIE ET ARCHIPEL MALAIS.

- ea. Asie russe.
eaa. Sibérie Occidentale.
eab. Sibérie Orientale.
eac. Asie centrale russe.
eb. Chine et ses dépendances : Mongolie, Tibet, etc. Corée.
ec. Archipel du Japon ; Formose.
ed. Indes-Chinoises Françaises : Tonkin, Annam, etc.

2.—SUDDIVISIONI.

EUROPA, MARE MEDITERRANEO E LE SUE ISOLE.

- Scandinavia : Svezia, Norvegia, Danimarca ; Islanda, Fär Öer.
Impero Russo e Russia Europea compreso il Caucaso.

- Russia Settentrionale.
Russia Meridionale.
Russia Centrale.
Caucaso.
Urali.
Impero Germanico.
Olanda ; Belgio ; Lussemburgo.
Isole Britanniche.
Francia e Corsica.
Pirenei : Spagna (e isole Baleari) ; Portogallo.
Italia : Sicilia (colle isole Lipari e Pantellaria) e Sardegna.

- Svizzera.
Alpi.
Austria-Ungheria (comprese Bosnia ed Erzegovina).
Penisola Balcanica (Turchia Europea, Romaniaa, Bulgaria, Serbia, Montenegro e Grecia).

- Mediterraneo e Isole (Creta, Cipro e Malta).
Mar Nero e Mare di Azof.
Il Baltico e le sue isole.
Mare del Nord.
La Manica e le isole della Manica.

ASIA E ARCIPELAGO MALESE.

- Russia Asiatica.
Siberia Occidentale.
Siberia Orientale.
Russia Asiatica Centrale.
Cina e dipendenze : Mongolia, Tibet, etc. Corea.
Arcipelago del Giappone. Formosa.
Inde Cinese Francese : Tonchino, Annam, etc.

- ec.* Siam.
- ef.* British India: Himalaya; Burma; Ceylon.
- eg.* Malay Peninsula from Isthmus of Kra; Malay Archipelago, including Halmahera (Gilolo) Ceram, Kei Islands, Timorlaut and Timor; the Philippines and China Sea.
- eh.* Persia; Afghanistan; Baluchistan; Pamirs.
- ei.* Asiatic Turkey; Arabia.
- ek.* Caspian; Sea of Aral (Aralo-Caspian depression).
- el.* Persian Gulf.

f. AFRICA AND MADAGASCAR.

- fa.* Mediterranean States: Morocco, Algiers, Tunis, Tripoli.
- fb.* N.E. Africa; Egypt and Nile Valley to Lat. 5° N.; Egyptian Sudan; Abyssinia; Eritrea; Somaliland (British, French, Italian); Socotra. Nile River System as a whole.
- fc.* Sahara and the Central Sudan; Wadai, etc.
- fd.* West Africa, from Morocco to the Congo, including French Sudan and Upper Niger Region, but excluding Western Sahara.
- fe.* Congo State and Angola. Congo River System as a whole.
- ff.* East Africa; British (with Uganda); German; Portuguese (north of the Zambezi); British Central Africa: Lake Region. Works relating to Portuguese East Africa as a whole should be indexed under this section only.
- fg.* South Africa—South of Angola and the Zambezi.
- fh.* Madagascar and Comoro Group.
- fi.* Red Sea and Islands.

g. NORTH AMERICA.

- ga.* Alaska and Aleutian Islands.
- gb.* Canada as a whole.
- gc.* Canadian Dominion West: Yukon, British Columbia, Mackenzie, Athabasca, Alberta, Saskatchewan, Assiniboia.
- gd.* Canadian Dominion East: Newfoundland.
- ge.* The Laurentian Lakes.
- gf.* United States as a whole.

Siam.

Britisch - Indien, einschliesslich Himalaya, Burma, Ceylon.
 Malayische Halbinsel südlich vom Isthmus von Kra und Malayischer Archipel einschliesslich Halmahera (Gilolo), Ceram, Kei Inseln, Timorlaut und Timor; Philippinen; Chinesisches Südmeer.
 Persien; Afghanistan; Belutschistan; Pamir.
 Asiatische Türkei; Arabien.
 Das Kaspische Meer; der Aral-See (Aralo-Kaspische Depression).
 Der Persische Golf.

AFRIKA UND MADAGASKAR.

Die Mittelmeer-Staaten: Marokko. Algier, Tunis, Tripolis.
 Nordost-Afrika: Egypten und Nilthal bis 5° N. Br.; Egyptischer Sudan; Abessinien; Eriträä; Somaliland (britisch, französisch, italienisch); Sokotra. Flusssystem des Nils als Ganzes.
 Die Sahara und der Central-Sudan; Wadai etc.
 West-Afrika, von Marokko bis zum Kongo, einschl. des französischen Sudans und der oberen Nigerregion, aber ohne die westliche Sahara.
 Kongo-Staat und Angola. Flusssystem des Kongo als Ganzes.
 Ostafrika; britisch (mit Uganda); deutsch; portugiesisch (nördlich des Sambesi); britisch Centralafrika; Seenregion. Arbeiten, die sich auf portugiesisch Ostafrika als Ganzes beziehen, sind nur in diese Abteilung aufzunehmen.
 Süd-Afrika, südlich von Angola und dem Sambesi.
 Madagaskar und Komoren.
 Das Rothe Meer mit seinen Inseln.

NORD-AMERIKA.

Alaska und Aleutische Inseln.
 Canada als Ganzes.
 West-Canadisches Gebiet: Yukon, Britisch-Columbia, Mackenzie, Athabasca, Alberta, Saskatchewan, Assiniboia.
 Ost-Canadisches Gebiet; Newfoundland.
 Gebiet der Laurentischen Seen.
 Vereinigte Staaten als Ganzes.

- ee. Siam.
 ef. Indes Britanniques : Himalaya ;
 la Birmanie ; Ceylan.
 eg. La Péninsule Malaise depuis
 l'isthme de Kra ; l'Archipel
 Malais, y compris Halmahera (Gilo-
 lo) Ceram, îles de Kei, Timorlaut et
 Timor ; les Philippines et la Mer de
 Chine.
 eh. Perse ; Afghanistan ; Bélouchistan ;
 les Pamirs.
 ei. Turquie d'Asie ; Arabie.
 eh. Mer Caspienne ; Mer d'Aral (dépres-
 sion Aralo-Caspienne).
 .i. Golfe persique.

f. AFRIQUE ET MADAGASCAR.

- fa. Pays méditerranéens : Maroc,
 Algerie, Tunisie, Tripoli.
 fb. N.E. africain ; Egypte et la vallée du
 Nil jusqu'au 5° de lat. N. ; Soudan
 égyptien ; Abyssinie ; Erythrée ;
 Somaliland (britannique, français,
 italien) ; Socotra. Réseau hydro-
 graphique du Nil dans son entier.
 fc. Le Sahara et le Soudan central ;
 Wadai, etc.
 fd. Ouest africain, du Maroc au Congo,
 le Soudan français et la région
 supérieure du Niger inclus, mais
 sans le Sahara de l'ouest.
 fe. État du Congo et Angola. Réseau
 hydrographique du Congo dans son
 entier.
 ff. Est africain ; britannique (avec
 Uganda) ; allemand ; portugais
 (au nord du Zambèze) ; Afrique
 centrale britannique ; Région la-
 custre. Les ouvrages se rapportant
 à L'Est africain portugais dans son
 entier doivent être inscrits dans
 cette rubrique seulement.
 fg. Sud africain—Au sud d'Angola et
 du Zambèze.
 fh. Madagascar et groupe des Comores.
 gi. La Mer Rouge et ses îles.

g. AMÉRIQUE DU NORD.

- ga. Alaska et îles Aléoutines.
 gb. Le Canada dans son entier.
 gc. Puissance du Canada de l'ouest
 (Yukon, Colombie britannique,
 Mackenzie, Athabasca, Alberta,
 Saskatchewan, Assiniboia).
 gd. Puissance du Canada de l'est ;
 Terre neuve.
 ge. Région des grands lacs laurentiens.
 gf. États-Unis dans leur entier.

Siam.

India Britannica : Himalaya ; Bir-
 mania ; Ceylan.Penisola Malese dall'Istmo di Kra ;
 Arcipelago Malese, compren-
 dendi Halmahera (Gilolo), Ceram,
 isole di Kei, Timorlaut e Timor ;
 le Filippine e il Mar della Cina.Persia ; Afghanistan ; Belucistan ;
 Pamir.

Turchia Asiatica ; Arabia

Il Caspio ; mare Aral (depressione
 Caspio-Arale).

Golfo Persico.

AFRICA E MADAGASCAR.

Stati mediterranei : Marocco, Al-
 geria, Tunisia, Tripolitania.Africa del N.E. ; Egitto e Valle
 del Nilo fino al 5° di Lat. N. ; Sudan
 Egiziano ; Abissinia ; Eritrea ;
 Somalia (Britannica, Francese,
 Italiana) ; Socotra. Rete idrografica
 del Nilo in complesso.Sahara e Sudan centrale ; Wadai,
 ecc.Africa occidentale dal Marocco al
 Congo, comprendendi il Sudan
 francese e la regione superiore del
 Niger, ma senza il Sahara occiden-
 tale.Stato del Congo e Angola. Rete
 idrografica del Congo in com-
 plesso.Africa orientale ; britannica (con-
 Uganda) ; tedesca ; portoghese
 (a nord dello Zambesi) ; Africa
 centrale britannica ; Regione dei
 laghi. I lavori riferentisi alla
 Africa orientale portoghese in
 complesso si devono catalogare in
 questa rubrica soltanto.Africa australe a sud di Angola e
 dello Zambesi.Madagascar e Gruppo delle Comore.
 Il Mar Rosso e le sue isole.

AMERICA SETTENTRIONALE.

Alaska ed isole Aleutine.

Il Canada in generale.

Dominio del Canada occidentale
 (Yukon, Columbia Britannica,
 Mackenzie, Athabasca, Alberta,
 Saskatchewan, Assiniboia).Dominio del Canada orientale ;
 Terranova.

I Laghi Laurenziani.

Gli Stati Uniti in generale.

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| <p>g. North Eastern United States. East of Mississippi (Maine, Vermont, New Hampshire, New York, Massachusetts, Connecticut, Rhode Island, Pennsylvania, New Jersey, Ohio, Michigan, Wisconsin, Illinois, Indiana).</p> <p>gh. South Eastern United States, East of Mississippi.</p> <p>gi. Western United States, West of Mississippi.</p> <p>gj. Mississippi River System as a whole.</p> <p>gk. Mexico.</p> | <p>Nordosten der Vereinigten Staaten, östlich vom Mississippi (Maine, Vermont, New Hampshire, New York, Massachusetts, Connecticut, Rhode Island, Pennsylvania, New Jersey, Ohio, Michigan, Wisconsin, Illinois, Indiana).</p> <p>Südosten der Vereinigten Staaten, östlich vom Mississippi.</p> <p>Westen der Vereinigten Staaten, westlich vom Mississippi.</p> <p>Flusssystem des Mississippi als Ganzes.</p> <p>Mexiko.</p> |
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L. CENTRAL AND SOUTH AMERICA
AND WEST INDIES.

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| <p>lh. Central America; Guatemala; Honduras; British Honduras; Salvador; Nicaragua; Costa Rica; Panama.</p> <p>li. West Indian Islands; Caribbean Sea; Gulf of Mexico.</p> <p>lj. Guiana; British, Dutch, and French; Venezuela; Trinidad; Curaçao.</p> <p>lk. Colombia; Ecuador.</p> <p>ll. Peru.</p> <p>lm. Bolivia.</p> <p>ln. Brazil and Amazon River System as a whole.</p> <p>lo. Argentina with Patagonia as a whole; Uruguay and Paraguay.</p> <p>lp. Chili.</p> <p>lq. Tierra del Fuego and neighbouring islands; Falkland Islands.</p> <p>lr. The Andes.</p> | <p style="text-align: center;">CENTRAL-AMERIKA, SÜD AMERIKA,
WEST-INDIEN.</p> <p>Central-Amerika: Guatemala, Honduras; Britisch-Honduras; Salvador Nicaragua; Costa Rica; Panama.</p> <p>Westindische Inseln; Caribbisches Meer; Golf von Mexiko.</p> <p>Guyana: Britisch, Niederländisch und Französisch; Venezuela; Trinidad; Kurassao.</p> <p>Columbia; Ecuador.</p> <p>Peru.</p> <p>Bolivia.</p> <p>Brasilien und Flusssystem des Amazonas als Ganzes.</p> <p>Argentinien mit Patagonien als Ganzes; Uruguay und Paraguay.</p> <p>Chile.</p> <p>Feuerland und benachbarte Inseln; Falkland Inseln.</p> <p>Die Anden.</p> |
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M. AUSTRALASIA.

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| <p>ms. New Guinea with Waigoe, Misool and Aroo Islands.</p> <p>mt. Bismarck Archipelago (New Britain, etc., to Solomon Islands inclusive).</p> <p>mu. Australia as a whole.</p> <p>mv. Queensland.</p> <p>mw. New South Wales with Norfolk and Lord Howe Islands.</p> <p>mx. Victoria.</p> <p>my. South Australia.</p> <p>mz. Western Australia.</p> <p>na. Tasmania.</p> <p>nb. New Zealand and neighbouring Islands (Kermadec, Auckland, Chatham, Macquarie Islands, etc.).</p> <p>nc. New Caledonia, New Hebrides, and Loyalty Islands.</p> | <p style="text-align: center;">AUSTRALASIEN.</p> <p>Neu-Guinea, mit Waigoe, Misool und Aroo-Inseln.</p> <p>Bismarck-Archipel (Neu-Pommern etc. bis Salomo-Inseln).</p> <p>Australien als Ganzes.</p> <p>Queensland.</p> <p>Neu-Süd-Wales mit Norfolk- und Lord Howe-Inseln.</p> <p>Victoria.</p> <p>Süd-Australien.</p> <p>West-Australien.</p> <p>Tasmanien.</p> <p>Neu-Seeland und benachbarte Inseln (Kermadec-, Auckland, Chatham-, Macquarie-Inseln etc.).</p> <p>Neu-Caledonien, Neue Hebriden und Loyalitäts-Inseln.</p> |
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gg. États-Unis du Nord-Est, à l'est du Mississippi (Maine, Vermont, New Hampshire, New York, Massachusetts, Connecticut, Rhode Island, Pennsylvanie, New Jersey, Ohio, Michigan, Wisconsin, Illinois, Indiana).

gh. États-Unis du sud-est, à l'est du Mississippi.

gi. États-Unis de l'ouest, à l'ouest du Mississippi.

gk. Réseau hydrographique du Mississippi dans son entier.

gl. Mexique.

h. AMÉRIQUE CENTRALE ET MÉRIDI-
DIONALE; INDÉS OCCIDENTALES.

hb. Amérique centrale : Guatemala ; Honduras ; Honduras britannique ; Salvador ; Nicaragua ; Costa Rica ; Panama.

hc. Antilles ; Mer Caraïbe ; Golfe du Mexique.

hd. Guyanes britannique, hollandaise, et française ; Vénézuéla ; île de Trinité ; Curaçao.

he. Colombie ; Ecuateur.

hf. Pérou.

hg. Bolivie.

hh. Brésil et réseau hydrographique de l'Amazonie dans son entier.

hi. République Argentine avec la Patagonie en entier ; Uruguay et Paraguay.

hk. Chili.

hl. Terre de feu et îles voisines ; les Falkland (Malouines).

hm. Les Andes.

i. AUSTRALIE.

ia. Nouvelle Guinée avec les îles Waigoe, Misool et Aroo.

ib. Archipel de Bismarck (Nouvelle Bretagne avec les îles Salomon).

ic. L'Australie dans son entier.

id. Queensland.

ie. Nouvelle Galles du sud et îles Norfolk et Lord Howe.

if. Victoria.

ig. Australie du sud.

ih. Australie occidentale.

ii. Tasmanie.

ik. Nouvelle Zélande et îles avoisinantes Kermadec, Auckland, Chatham, Macquaries, etc.).

il. Nouvelle Calédonie, Nouvelles Hébrides et îles Loyauté.

Stati Uniti del Nord-Est, ad E. del Mississippi (Maine, Vermont, New Hampshire, New York, Massachusetts, Connecticut, Rhode Island, Pennsylvania, New Jersey, Ohio, Michigan, Wisconsin, Illinois, Indiana).

Stati Uniti del Sud-Est, ad E. del Mississippi.

Stati Uniti occidentali, ad W. del Mississippi.

Rete idrografica del Mississippi in complesso.

Messico.

AMERICA CENTRALE E MERIDIONALE
E INDIE OCCIDENTALI.

America Centrale : Guatemala ; Honduras ; Honduras Britannico ; Salvador ; Nicaragua ; Costa Rica ; Panama.

Indie occidentali ; Mar dei Caribi ; Golfo del Messico.

Guiana : britannica, olandese e francese ; Venezuela ; Trinidad ; Curaçao.

Columbia : Ecuador.

Perù.

Bolivia.

Brasile e rete idrografica dell'Amazoni in complesso.

Argentina colla Patagonia in complesso ; Uruguay e Paraguay.

Chili.

Terra del Fuoco e Isole vicine ; Isole Falkland.

Le Ande.

AUSTRALIA E OCEANIA.

Nuova Guinea colle Isole Waigoe, Misool ed Aroo.

Arcipelago di Bismarck (Nuova Britannia, ecc., fino alle Solomone inclusivamente).

Australia in generale.

Queensland.

Nuova Galles del Sud colle isole Norfolk e Lord Howe.

Victoria.

Australia meridionale.

Australia occidentale.

Tasmania.

Nuova Zelanda e isole vicine (Kermadec, Auckland, Chatham, Macquario, etc.).

Nuova Calédonia, Nuove Ebridi e Isole Loyalty.

j. POLAR REGIONS IN GENERAL.

k. ARCTIC.

- ka. Arctic Ocean.
 kb. Greenland.
 kc. Archipelago north of North America.

kd. Islands north of Europe and Asia.

l. ATLANTIC.

- la. North Atlantic Ocean and Islands not otherwise specified.
 lb. Azores; Canaries; Madeira; Cape Verde.
 lc. South Atlantic and Islands.

m. INDIAN OCEAN.

- ma. Ocean and Islands N. of Equator.
 mb. Ocean and Islands S. of Equator, including Mascarene Islands, Amsterdam, and St. Paul.

n. PACIFIC.

- na. North Pacific Ocean (North of Equator).
 nb. South Pacific Ocean (South of Equator).
 nc. Behring Sea and Islands (excluding Aleutian Archipelago).
 nd. Sandwich Islands and scattered groups N. of Equator and E. of 180°.
 ne. Ladrone, Pelew, Caroline and Marshall Groups, with other Islands N. of Equator and W. of 180°.
 nf. Fiji Islands, Friendly Islands (Tonga), Samoa, Ellice, Phoenix Islands, etc., west of Meridian 160° W. of Greenwich.
 ng. Galapagos Islands.
 nh. Society Islands, Low Archipelago, Marquesas, and other Islands of S. Pacific, east of Meridian 160° W. of Greenwich.

o. ANTARCTIC.

- oa. Antarctic Continent as a whole.
 ob. S. Georgia, Sandwich Groups, and other Islands S. of S. Atlantic.
 oc. Prince Edward Island, Crozets, Kerguelen, and other Islands S. of Indian Ocean.
 od. Islands to Southward and Southeast of New Zealand and Area South of Pacific.

POLARGEBIET IM ALLGEMEINEN.

ARKTISCHES GEBIET.

Der Arktische Ocean.
 Grönland.
 Archipel nördlich von Nord-Amerika,

Inseln nördlich von Europa und Asien.

ATLANTISCHES GEBIET.

Der Nordatlantische Ocean mit seinen Inseln, soweit sie nicht anderweit eingereiht sind.

Azoren; Kanaren; Madeira; Cap Verde.

Der Südatlantische Ocean mit seinen Inseln.

INDISCHER OCEAN.

Ocean und Inseln nördlich vom Aequator.

Ocean und Inseln südlich vom Aequator, einschliesslich Mascarenen, Neu-Amsterdam und St. Paul.

PACIFISCHES GEBIET.

Nordpazifischer Ocean (nördlich vom Aequator).

Südpazifischer Ocean (südlich vom Aequator).

Berings Meer, nebst Inseln (ohne Aleuten-Archipel).

Sandwich-Inseln und zerstreute Gruppen nördlich vom Aequator und östlich vom 180. Grad.

Ladronen-, Palau-, Carolinen-, und Marshall-Gruppen, nebst andern Inseln nördlich vom Aequator und westlich vom 180. Grad.

Fidschi-Inseln, Freundschafts-Inseln (Tonga), Samoa, Ellice-Inseln, Phoenix-Inseln etc., westlich vom Meridian 160° W.L.

Galapagos-Inseln.

Gesellschafts-Inseln, Niedrige Inseln, Marquesas- und andere Inseln des südlichen Pazifischen Oceans, östlich vom Meridian 16° W.L.

ANTARKTISCHES GEBIET.

Der Antarktische Kontinent als Ganzes.

Süd-Georgien, Sandwich-Gruppen, und andere Inseln südlich vom südatlantischen Gebiet.

Prince Edward-Insel, Crozet-Inseln, Kerguelen- und andere Inseln südlich vom Indischen Ocean.

Inseln südlich und südöstlich von Neu-Seeland, und Gebiet südlich des Pazifischen Oceans.

j. REGIONS POLAIRES EN GÉNÉRAL.

h. RÉGIONS ARCTIQUES.

- ka.* Océan arctique.
kb. Groenland.
kc. Archipel au nord de l'Amérique du Nord.
kd. Iles au nord de l'Europe et de l'Asie.

i. ATLANTIQUE.

- la.* Océan Atlantique septentrional, et les îles qui n'ont pas été spécifiées ailleurs.
lb. Açores ; Canaries ; Madère ; Cap Vert.
lc. Atlantique méridional et ses îles.

m. OCEAN INDIEN.

- ma.* Océan et îles au nord de l'Equateur.
mb. Océan et îles au sud de l'Equateur, les Mascareignes et les îles Amsterdam et St. Paul.

n. PACIFIQUE.

- na.* Pacifique septentrional (au nord de l'Equateur).
nb. Pacifique méridional (au sud de l'Equateur).
nc. Mer de Behring et ses îles (moins l'archipel aléoutien).
nd. Iles Sandwich, avec les groupes insulaires situés au nord de l'Equateur et à l'est du 180°.
ne. Mariannes, Pelew, archipel des Carolines et de Marshall, avec les autres îles situées au nord de l'Equateur et à l'ouest du 180°.
nf. Iles Fidji, îles des Amis (Tonga), Samoa, Ellice, Phénix et autres, situées à l'ouest du méridien 160° O. (Greenwich).
ng. Iles Galapagos.
nh. Iles de la Société, Pomoutou, Marquises et autres îles du Pacifique méridional à l'est du méridien 160° O. (Greenwich).

o. RÉGIONS ANTARCTIQUES.

- oa.* Continent antarctique dans son entier.
ob. Géorgie du Sud, groupe des Sandwichs et autres îles au sud de l'Atlantique méridional.
oc. Iles du Prince Edouard, Crozet, Kerguelen et autres îles au sud de l'Océan Indien.
od. Iles au sud et au sud-est de la Nouvelle Zélande et la zone au sud du Pacifique.

REGIONI POLARI IN GENERALE.

REGIONE ARTICA

- Oceano Artico.
 Groenlandia.
 Arcipelago dell' America del Nord.
 Isole a N. dell' Europa e dell' Asia.

OCEANO ATLANTICO.

- Oceano Atlantico settentrionale e sue isole, non indicate altrove.
 Azorre ; Canarie ; Madera ; isole del Capo Verde.
 Atlantico meridionale e sue isole.

OCEANO INDIANO.

- Oceano e isole a Nord dell' Equatore.
 Oceano e isole a Sud dell' Equatore, comprendovoli le Mascarene, Amsterdam e S. Paolo.

OCEANO PACIFICO.

- Pacifico del Nord (a N. dell' Equatore).
 Pacifico del Sud (a S. dell' Equatore).
 Mar di Behring e sue isole (senza l'arcipelago delle Aleutine).
 Isole Sandwich e gruppi sparsi a N. dell' Equatore e ad E. del 180°.
 Isole dei Ladroni, Palau, Caroline e Marshall, con altre isole a N. dell' Equatore e ad ovest del 180°.
 Isole Figi degli Amici (Tonga), Samoa, Ellice, Fenice, etc., ad ovest del 160° W. da Greenwich.

Isole Galapagos.

- Isole della Società, Arcipelago di Low, Marchesi e altre isole del Pacifico meridionale, ad Est del meridiano 168° W. da Greenwich.

REGIONE ANTARTICA.

Regione antartica in generale.

- Georgia australe, gruppo delle Sandwich e altre isole a Sud dell'Atlantico meridionale.
 Isole del Principe Edoardo, Crozet, Kerguelen e altre isole a Sud dell'Oceano Indiano.

- Isole a Sud e a Sud-Est della Nuova Zelande e regione a Sud del Pacifico.

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39.2431 ARTHROPODA, INCLUD-
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39.5231 VERTEBRATA.

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Williston. 10763. Water reptiles of the past and present.

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d EUROPE.

dbb Southern Russia.

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45.0231 PALAEOZOOLOGIA.

g NORTH AMERICA.

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gg North Eastern United States.

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gh South Eastern United States.

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45.0831 COELENTERATA, INCLUDING GRAPTOLITHOIDEA.

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dba Northern Russia.

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g NORTH AMERICA.

gh South-Eastern United States.

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45.1031 ECHINODERMATA.

g NORTH AMERICA.

gh Mississippi River System as a Whole.

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gi Western United States.

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45.2031 BRACHIOPODA AND BRYOZOA

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dc German Empire.

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45.2231 MOLLUSCA.

g NORTH AMERICA.

gh Mississippi River System as a whole.

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k ARCTIC.

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45.2831 XIPHOSURA.

g NORTH AMERICA.

gh South-Eastern United States.

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50 LOWER PALAEOZOIC.

50.0231 PALAEOZOOLOGIA.

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g NORTH AMERICA.

gce British Columbia.

Burling. 10351. Early Cambrian stratigraphy in North American Cordillera, with discussion of Albertella and related faunas.

gd Canadian Dominion East.

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gde Ontario.

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g NORTH AMERICA.*gdf* Quebec.

Ami. 10283. Preliminary lists of organic remains from the Chazy, Black River, Trenton, and pleistocene formations comprised within the area of the Pembroke sheet (No. 122).

50.0431 PROTOZOA.

i AUSTRALIA.*ig* South Australia.

Howchin. 10483. Occurrence of *Cryptozoön* in the Cambrian of Australia.

50.0831 COELENTERATA.

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f AFRICA AND MADAGASCAR.*fa* Mediterranean States.

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50.1031 ECHINODERMATA.

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e ASIA.*eb* China and Dependencies.

Reed. 10650. Provisional determination of Echinoderm Ordovician and Silurian beds of Western Yunnan. 10650a: Silurian fossils from Kashmir.

ef British India.

Reed. 10651. *Camarocrinus asiaticus* from Burma.

g NORTH AMERICA.*gg* North Eastern United States.

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50.2031 BRACHIOPODA INCL.
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Reed. 10650a. Silurian fossils from Kashmir.

50.2231 MOLLUSCA.

e ASIA*eb* China and Dependencies,

Reed. 10650. Provisional determination of Mollusca of Ordovician and Silurian beds of Western Yunnan.

ef British India.

Reed. 10650a. Silurian fossils from Kashmir.

f AFRICA.*fa* Mediterranean States.

Dollé. 10412. Le dinantien supérieur (Viséus) de la vallée de l'Oued Zousfana. Paléontologie.

50.2631 CRUSTACEA.

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e ASIA.*eb* China and Dependencies.

Reed. 10650. Provisional determination of Crustacea of the Ordovician and Silurian beds of Western Yunnan.

ef British India.

Reed. 10650a. Silurian fossils from Kashmir.

50.2831 XIPHOSURA.

e ASIA.

Walcott. 10736. Cambrian geology and paleontology. 3. No. 1.—The Cambrian faunas of eastern Asia.

ef **British India.**

Reed. 10650A. Silurian fossils from Kashmir.

f **AFRICA.***fg* **South Africa.**

Shand. 10681. On the occurrence of the Brazilian Trilobite *Pennaia* in the Bokkeveld beds.

g **NORTH AMERICA.**

Walcott. 10736. Cambrian geology and paleontology, 2. No. 13.—*Dikelocephalus* and other genera of the *Dikelocephalinae*.

gg **North Eastern United States.**

Raymond. 10647. Note on the ontogeny of *Paradoxides*, with the description of a new species from Braintree, Mass.

55 UPPER PALAEOZOIC.**55.0231 PALAEOZOOLOGIA GENERALIS.**

Carpentier. 10358. Empreintes végétales et remarques sur la faune du calcaire de Bachant.

Smyth. 10698. On the faunal zones of the Rush-Skerries Carboniferous section, co. Dublin.

d **EUROPE.***de* **German Empire.**

Kegel. 10516. Der Taunusquarzit von Katzenelnbogen.

Meyer. 10580. Der Lahnporphyr bei Diez und eine begleitende Fauna.

df **France.**

Delépine. 10404. Faune du calcaire carbonifère du bassin de Laval.

Döring. 10411. Die Caiqua-Schicht im Paffrather Stringocephalenkalk.

dg **Spain.**

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dk **Austria-Hungary.**

Heritsch. 10477. Richtigstellungen zu L. Kober's Angaben über das Paläozoicum von Graz.

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g **NORTH AMERICA.***gg* **North Eastern United States.**

Grabau. 10456. Preliminary report on the fauna of the Dundee limestone of southern Michigan. [*In*: Sherzer, W. H. Geological report on Wayne County.]

Sherzer. 10682. Geological report on Wayne county [Michigan].

h **CENTRAL AND SOUTH AMERICA.**

Meyer. 10579. Carbonfaunen aus Bolivia und Peru.

hh **Brazil.**

Clarke. 10387. Illustrations of the Devonian fossils of southern Brazil and the Falkland islands.

l **ATLANTIC.***lc* **South Atlantic and Islands.**

Clarke. 10387. Illustrations of the Devonian fossils of southern Brazil and the Falkland islands.

55.0431 PROTOZOA.*g* **NORTH AMERICA.***gf* **United States as a whole.**

Girty. 10452. On the names of American Fusulinas.

55.0631 PORIFERA.*d* **EUROPE.***df* **France.**

Heinrich. 10474. Bau und System der Stromatoporoidea.

55.0831 COELENTERATA, INCL. GRAPTOLITHOIDEA.

Charlesworth. 10376. Korallen und Stromatoporoïden.

Haack. 10465. Über eine Marine Permfauna aus Nordmexiko nebst Bemerkungen über Devon daselbst.

Salée. 10666. Sur quelques Polyptères carbonifériens du Muséum d'Histoire naturelle de Paris.

d **EUROPE.***de* **German Empire.**

Gürich. 10464. Solenopora im oberdevonischen Kontaktkalk von Ebersdorf bei Neurode in Schlesien.

dii Alps.

Charlesworth. 10377. Riffkorallen aus dem Unterdevon der Karnischen Alpen.

e ASIA.*eac* Central Asiatic Russia.

Peetz. 10615. *Nymphaeoblastus Miljukovi*, eine neue Gattung und Art der Blastoidea. (Russ. mit deutsch. Rés.)

g NORTH AMERICA.*gi* Western United States.

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55.1031 ECHINODERMATA.

Charlesworth. 10375. Das Devon der Ostalpen. Begonnen von F. Frech. Die Fauna des devonischen Riffkalkes. III Crinoiden.

g NORTH AMERICA.*gi* Western United States.

Wood. 10770. The use of crinoid arms in studies of phylogeny.

h SOUTH AMERICA.*hh* Brazil

Clarke. 10387. Illustrations of the Devonian fossils of southern Brazil and the Falkland islands.

l ATLANTIC.*lc* South Atlantic and Islands.

Clarke. 10387. Illustrations of the Devonian fossils of southern Brazil and the Falkland islands.

55.2031 BRACHIOPODA, INCL. BRYOZOA (POLYZOA)

d EUROPE.*db* Russian Empire.

Lebedev. 10538. Materialien zur Geologie des Donetzbeckens, Spiriferidæ aus den Karbonablagerungen des Donetzbeckens und einiger anderer Gebiete Russlands.

dbc Central Russia.

Sobolev. 10699. Das obere Neodevon von Lagov. (Russ.)

dc German Empire.

Quiring. 10642. Zusammenstellung der Strophomeniden des Mitteldevons der Eifel nebst Beiträgen zur Kenntniss der Wanderbewegung der Brachiopoda in Eifeldevon.

g NORTH AMERICA.*gg* North Eastern United States.

Grabau. 10456. Preliminary report on the fauna of the Dundee limestone of southern Michigan.

Pirsson and Schuchert. 10632. Note on the occurrence of the Oriskany Formation on Parlin Stream, Maine.

h SOUTH AMERICA*hg* Bolivia.

Kozłowski. 10525. Les Brachiopodes du carbonifère supérieur de Bolivie.

hh Brazil.

Clarke. 10387. Illustrations of the Devonian fossils of southern Brazil and the Falkland islands.

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lc South Atlantic and Islands.

Clarke. 10387. Illustrations of the Devonian fossils of southern Brazil and the Falkland islands.

55.2231 MOLLUSCA.

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d EUROPE.*dbc* Central Russia.

Sobolev. 10699. Das obere Neodevon von Lagov. (Russ.)

dc German Empire.

Pöhlig. 10633. Neue rheinische Haliseritenfunde. 10634: *Beneckeia subdenticulata* Pöhlig aus dem Rotdolomit von Jena.

df France.

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e ASIA.*eb* China.

Frech. 10441. Ein neues Vorkommen des Stringocephalenkalkes in Hunan (Südchina).

g NORTH AMERICA.*gg* North Eastern United States.

Girty. 10451. 1. On some growth stages in *Naticopsis altonensis*, McChesney. 2. Notice of a Mississippian gastropod retaining coloration.

Pirsson and Schuchert. 10632. Note on the occurrence of the Oriskany Formation on Parlin Stream, Maine.

Roundy. 10663. Original color markings of two species of Carboniferous gastropods. [*Glyptobasis marshalli* n. sp. and *Holopea proutana* Hall. With bibliography.]

Van Tuyl and Berekhemer. 10732. A problematic fossil from the Catskill formation.

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h CENTRAL AND SOUTH AMERICA.*hh* Brazil.

Clarke. 10387. Illustrations of the Devonian fossils of southern Brazil and the Falkland islands.

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55.2431 ARTHROPODA, INCLUDING INSECTA.

d EUROPE.*df* France.

Meunier. 10576. Un nouveau Protorthoptère du houiller de Commeny (Allier). 10577: Un nouveau Paléodictyoptère (Sténodictyoptère) du (x-5109)

houiller de Commeny (Allier). 10578: Un Protoblattide et un Blattide du houiller de Commeny (Allier).

Pruvost. 10639. Les Insectes houillers du nord de la France.

55.2631 CRUSTACEA.

g NORTH AMERICA.*gi* Western United States.

Barbour. 10293. Carboniferous Eurypterids of Nebraska.

55.2831 XIPHOSURA EURIPTERIDA, TRILOBITA-

Richter. 10659. Hypostom und einige Arten der Gattung *Cyphaspis*.

d EUROPE.*dc* German Empire.

Richter. 10658. Das Uebergreifen der pelagischen Trilobitengattungen *Tropidocoryphe* und *Thysanopeltis* in das normale Rheinische Mitteldevon der Eifel (und Belgiens).

dd Belgium.

Richter. 10658. Das Uebergreifen der pelagischen Trilobitengattungen *Tropidocoryphe* und *Thysanopeltis* in das normale Rheinische Mitteldevon der Eifel (und Belgiens).

g NORTH AMERICA.*gd* Canadian Dominion East.

Clarke. 10386. A notable trilobite from the Percé rock.

gg North Eastern United States.

Grabau. 10456. Fauna of the Dundee limestone of southern Michigan.

h CENTRAL AND SOUTH AMERICA.*hh* Brazil.

Clarke. 10387. Illustrations of the Devonian fossils of southern Brazil and the Falkland islands.

l ATLANTIC.*lc* South Atlantic and Islands.

Clarke. 10387. Illustrations of the Devonian fossils of southern Brazil and the Falkland islands.

55.5231 VERTEBRATA.

g NORTH AMERICA.*gi* Western United States.

Twenhofel. 10727. A new locality and horizon for Pennsylvanian vertebrates. [Lawrence shales, Kansas.]

55.5431 PISCES.

Reis. 10655. Über permische Pleuracanthidenreste.

d EUROPE.*df* France.

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55.5631 REPTILIA AND BATRACHIA.

Broom. 10335. On the cotylosaurian genus *Pantylus* Cope. 10337: Some points in the structure of the diadectid skull. 10339: A further comparison of the South African dinocerophalians with the American pelycosaur.

Case. 10360. Restoration of *Edaphosaurus cruciger* Cope.

——— and **Williston.** 10361. A description of *Aspidosaurus novomexicanus* Williston. 10362: Description of a nearly complete skeleton of *Diasparactus zenos* Case. 10363: A description of certain collections of bones referred to *Sphenacodon* Marsh.

Dahmer. 10401. Ein Häutungsplatz von *Homalonotus gigas* A. Roem im linksrheinischen Unterdevon.

Huene. 10484. The skull elements of the Permian Tetrapoda in the American museum of natural history, New York.

Mehl. 10563. *Pantylus cordatus* Cope.

Williston. 10758. The skulls of *Araucoscelis* and *Casea*, Permian reptiles.

——— and **Case.** 10764. Description of a nearly complete skeleton of *Ophiacodon*.

d EUROPE.*db* Russian Empire.

Broom. 10329. On the relationship of the South African Permian reptiles to those of Russia.

dk Austria-Hungary.

Hummel. 10492. *Ricnodon* cf. *dispersus* Fritsch aus dem böhmischen Obercarbon.

f AFRICA.*fg* South Africa.

Broom. 10329. On the relationship of the South African Permian reptiles to those of Russia. 10330: On some new genera and species of dicynodont reptiles, with notes on a few others.

Stromer. 10715. Die ersten fossilen Reptilreste aus Deutsch-Südwestafrika und ihre geologische Bedeutung.

g NORTH AMERICA.

Broom. 10336. Permian temnospondylous stegocephalians of North America.

Williston. 10762. American permocarboniferous Reptiles and Amphibians.

gg North Eastern United States.

Moodie. 10582. The Mazon creek, Illinois, shales and their amphibian fauna. 10583: The fossil frogs of North America.

gi Western United States.

Broili. 10327. Schädelbau von *Varanosaurus acutirostris*.

Broom. 10334. On the structure and affinities of *Bolosaurus*.

Case, Williston and Mehl. 10304. Permian-Carboniferous vertebrates from New Mexico.

Mehl. 10566. A description of *Chenoprosopus milleri*, gen. et sp. nov.

Williston. 10757. *Ostodolepis brevispinatus*, a new reptile from the Permian of Texas. 10759: *Broiliellus*, a new genus of amphibians from the Permian of Texas. 10760: Restorations of some American Permocarboniferous amphibians and reptiles. 10761: The osteology of some American Permian vertebrates.

Williston and Case. 10765. A description of *Scoliomus puercensis*, new genus and species. 10766: A description of *Edaphosaurus* Cope.

60 MESOZOIC (GENERAL).

60.2231 MOLLUSCA.

Douvillé. 10419. Influence du mode de vie sur la ligne suturale des Ammonites appartenant à la famille des Cosmocerotidae.

60.5431 PISCES.

f AFRICA.

fd West Africa.

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60.5631 REPTILIA AND BATRACHIA.

Hay. 10473. On the manner of locomotion of the Dinosaurs, especially *Diplodocus*, with remarks on the origin of the birds.

Huene. 10489. Schädel einiger Pterosaurier. 10491: Zweistämmigkeit der Dinosaurier, mit Beiträgen zur Kenntnis einiger Schädel.

60.6031 MAMMALIA.

Broom. 10338. On the structure and affinities of the Multituberculata.

65 TRIASSIC.

65.0231 PALAEOZOOLOGIA GENERALIS.

Smith. 10694. On the distribution of Lower Triassic faunas.

d EUROPE.

dg Iberian Peninsula.

Wurm. 10771. Beiträge zur Kenntnis der iberisch-balearischen Triasprovinz.

g NORTH AMERICA.

Smith. 10695. The Middle Triassic marine invertebrate faunas of North America.

65.0831 COELENTERATA.

e ASIA.

ec Japanese Islands.

Yabe. 10775. Über *Myriopora Verbeeki* Volz und *Stromatopora japonica* Yabe.

65.1031 ECHINODERMATA.

g NORTH AMERICA.

Smith. 10695. The Middle Triassic marine invertebrate faunas of North America.

65.2031 BRACHIOPODA AND BRYOZOA.

e ASIA.

eg Malay Peninsula.

Seidlitz. 10676. *Misólia*, eine neue Brachiopoden-Gattung aus den Athyridenkalken von Buru und Misól.

g NORTH AMERICA.

Smith. 10695. The Middle Triassic marine invertebrate faunas of North America.

65.2231 MOLLUSCA.

d EUROPE.

dc German Empire.

Rassmuss. 10643. Alpine Cephalopoden im niederschlesischen Muschelkalk.

dk Austria-Hungary.

Toula. 10724. Geologisch-paläontologische Beobachtungen aus der Gegend von Drvar, Péci und Duler in Westbosnien.

g NORTH AMERICA.

Smith. 10695. The Middle Triassic marine invertebrate faunas of North America.

gg North Eastern United States.

Troxell. 10726. Unios in the Triassic of Massachusetts.

65.2631 CRUSTACEA.

d EUROPE.

dc German Empire.

Handlirsch. 10468. Eine interessante Crustaceenform aus der Trias der Vogesen.

65.5431 PISCES.

Eastman. 10423. Triassic fishes belonging to the families *Catopteridae* and *Semionotidae*.

g NORTH AMERICA.*gi* Western United States.

Bryant. 10348. Teeth of a cestraciont shark from the Upper Triassic of northern California.

65.5631 REPTILIA ET
BATRACHIA.

Huene. 10490. Nachträge zu meinen früheren Beschreibungen triassischer Saurischia.

d EUROPE.*de* German Empire.

Drevermann. 10421. Über einen Schädel von *Trematosaurus*.

Fraas. 10438. Die neuesten Dinosaurierfunde in der schwäbischen Trias.

Huene. 10486. Neue Beschreibung von *Ctenosaurus* aus dem Göttinger Buntsandstein. 10487: Coelurosaurier-Reste aus dem unteren Muschelkalk.

g NORTH AMERICA.*gi* Western United States.

Mehl. 10565. *Angistorhinus*, a new genus of Phytosauria from the Trias of Wyoming.

70 JURASSIC.

70.0231 PALAEOZOOLOGIA
GENERALIS.*d* EUROPE.*ds* German Empire.

Schirardin. 10669. Der obere Lias von Barr-Heiligenstein.

h CENTRAL AND SOUTH AMERICA.

Jaworski. 10500. Jura in Süd-Amerika.

70.0631 PORIFERA.

d EUROPE.*dbb* Southern Russia.

Karakasch. 10515. Les restes problématiques du *Cephalites marinus* Eichw. (Russe av. rés. fr.)

70.1031 ECHINODERMATA.

d EUROPE.*dbc* Central Russia.

Riabinin. 10656. Echinodermes jurassiques de Popelany en Lithuanie. (Russe av. rés. fr.)

df France.

Lissajous. 10546. Echinides jurassiques des environs de Mâcon.

70.2031 BRACHIOPODA.

Canu. 10354. L'étude des Bryozoaires fossiles. XIII. Bryozoaires jurassiques.

e ASIA.*ef* British India.

Steiger. 10704. Brachiopoda from Spiti shales.

i AUSTRALASIA.*ia* New Guinea.

Boehm. 20311A. *Rhynchonella* aff. *moluccana* G. Boehm von Neu-Guinea.

70.2231 MOLLUSCA.

Douvillé. 10420. Ammonites remarquables ou peu connues.

Loesch. 10547. Die Nautilen des weissen Jura.

Schirardin. 10669. Der obere Lias von Barr-Heiligenstein.

d EUROPE.*dba* Central Russia.

Riabinin. 10657. Veränderlichkeit des Gewindewinkels der *Pleurotomaria Buchiana* aus den Juraallagerungen von Popeljany. (Russ.)

de German Empire.

Schmidt. 10671. Die Arien des unteren Lias von Harzburg.

df France.

Douvillé. 10418. Les Cardioceratidés de Dives, Villers-sur-Mer et quelques autres gisements.

Maire. 10554. Études géologiques et paléontologiques sur l'arrondissement de Gray. Les Gastropodes du Jurassique supérieur graylois (1re Partie).

Roman. 10662. La faune des Céphalopodes de l'Aalénien supérieur de la vallée du Rhône (zone à *Ludwigia concava*).

ASIA.

Japanese Islands.

Yokoyama. 10777. On a jurassic ammonite from Rikuzen.

British India.

Steiger. 10704. Ammonoidea from Spiti shales.

ARCTIC.

Islands North of Europe and Asia.

Sokolov. 10700. Les fossiles des blocs erratiques de Novaia Zemlia. (Russe.)

70.2631 CRUSTACEA.

AUSTRALASIA.

New Guinea.

Boehm. 10316. Fauna des Unteren Calloviens und der Coronaten-schichten von Neu-Guinea.

70.5631 REPTILIA ET
BATRACHIA.

Mook. 10584. *Camarasaurus* Cope.

EUROPE.

German Empire.

Brandes. 10324. Plesiosauriden aus dem Unteren Lias von Halberstadt.

Grier. 10461. A new rhynchocephalian from the Jura of Solenhofen.

NORTH AMERICA.

gi - Western United States.

Gilmore. 10450. Osteology of the armored Dinosauria in the United States National Museum, with special reference to the genus *Stegosaurus*.

Mehl. 10564. *Muraenosaurus ? reedii*, sp. nov. and *Tricleidus ? laramienseis* Knight, American Jurassic plesiosaurs.

Moodie. 10583. The fossil frogs of North America.

70.6031 MAMMALIA.

Pilgrim. 10626. Correction in generic nomenclature of Bugti fossil mammals.

CRETACEOUS.

75.0231 PALAEOZOOLOGIA
GENERALIS.

NORTH AMERICA.

gi Western United States.

Whitney. 10745. Fauna of the Buda limestone.

75.0431 PROTOZOA.

EUROPE.

de German Empire.

Franke. 10439. Die Fauna des Emschers bei Dortmund.

Geinitz. 10445. Foraminiferen in Diluvialschichten.

75.0631 PORIFERA.

EUROPE.

de German Empire.

Franke. 10439. Die Fauna des Emschers bei Dortmund.

75.0831 COELENTERATA, INCLUD-
ING GRAPTOLITHOIDEA.

EUROPE.

da Scandinavia.

Nielsen. 10594. *Moltkia Isis*, Steenstrup and other Octocorallia from Danish cretaceous deposits.

dbb Southern Russia.

Karakasch. 10514. Les Isidines fossiles. (Russe av. rés. fr.)

de German Empire.

Richters. 10660. Berichtigung [zu. d. Artikel des Verf. über *Kristinella*, 1913].

ASIA.

eac Central Asiatic Russia.

Karakasch. 10514. Les Isidines fossiles. (Russe av. rés. fr.)

75.1031 ECHINODERMATA.

EUROPE.

da Scandinavia.

Nielsen. 10522. The Crinoids in the cretaceous deposits of Denmark.

ds German Empire.

Franke. 10439. Die Fauna des Emschers bei Dortmund.

df France.

Démoly. 10405. Observations sur les Echinides de la Savoie.

Valette. 10730. Description de quelques Echinides nouveaux de la craie.

75.2031 BRACHIOPODA INCLUDING BRYOZOA (POLYZOA).

d EUROPE.*da* Scandinavia.

Nielsen. 10593. Some remarks on the Brachiopods of the Chalk in Denmark. I. Survey of the new species of Brachiopods described by the author in 1909 and 1911. II. A development Series of *Rhynchonella* in the Danian.

75.2231 MOLLUSCA.

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de German Empire.

Bonnet. 10322. Diluviale Menschenfunde in Obercassel bei Bonn. III Die Skelete.

Freudenberg. 10442. Die Säugetiere des älteren Quartärs von Mitteleuropa, mit besonderer Berücksichtigung der Fauna von Hundsheim und Deutschaltenburg in Niederösterreich, nebst Bemerkungen über verwandte Formen anderer Fundorte.

Kukuk. 10535. Der Fund eines Moschusochsenschädels im Diluvium des Emschertales.

Schwalbe. 10674. Über einen bei Ehringsdorf in der Nähe von Weimar gefundenen Unterkiefer des *Homo primigenius*.

Stoller. 10711. Spuren des diluvialen Menschen in der Lüneburger Heide.

Verworn. 10734. Diluviale Menschenfunde in Obercassel bei Bonn. I. Fundbericht.

Wahnschaffe. 10735. Kritische Bemerkungen zum Interglazial II und Spätglazial Norddeutschlands. Mit besonderer Berücksichtigung der diluvialen Säugetierfauna.

Wiegner. 10749. Prähistorische Untersuchung einiger deutscher Diluvialfundstätten.

dd Holland.

Rutten. 10664. *Elephas antiquus* Falc from the River Waal near Nymegen.

de British Islands.

Rehlen. 10653. Fund von Pilt-down (*Eoanthropus Dawsoni*).

df France.

Aubert. 10289. La marmotte bobac de Beynes (Seine-et-Oise).

Commont. 10395. Remarques sur les éléphants quaternaires de Saint-Acheul et des Moutières.

Forsyth. 10435. La faune des Mammifères quaternaires de la Corse et de la Sardaigne.

Fortin. 10436. Ossements de *Cervus elaphus* Lin. du limon des versants découverts à Montfort-sur-Risle (Eure).

(K-5109)

Gosselet. 10455. Sur une dent d'*Elephas primigenius* trouvée à Malhove et sur des silex contenus dans l'argile des Flandres à Watten.

Harlé. 10470. Un *Machairodus* soi-disant de Villeneuve-sur-Lot. 10471: *Lagomys* de la grotte de la Madeleine et Phoque de l'abri Castanet (Dordogne).

— et **Stehlin.** 10472: Un Capridé quaternaire de la Dordogne voisin du Thar actuel de l'Himalaya.

Lory. 10550. L'existence de la Marmotte au Vercors à l'époque quaternaire.

Piraud. 10631. La présence des Marmottes dans le Vercors.

Schwalbe. 10675. Kritische Besprechung von Boulés Werk: „L'homme fossile de la Chapelle-aux-Saints“ mit eigenen Untersuchungen.

dh Italy.

Forsyth. 10435. La faune des Mammifères quaternaires de la Corse et de la Sardaigne.

Gignoux. 10447. Les formations marines pliocènes et quaternaires de l'Italie du sud et de la Sicile.

dk Austria-Hungary.

Freudenberg. 10442. Die Säugetiere des älteren Quartärs von Mitteleuropa, mit besonderer Berücksichtigung der Fauna von Hundsheim und Deutschaltenburg in Niederösterreich, nebst Bemerkungen über verwandte Formen anderer Fundorte.

Schlesinger. 10670. Ein neuerlicher Fund von *Elephas planifrons* in Niederösterreich.

f AFRICA.**fa Mediterranean States.**

Joleaud. 10505. La position systématique du *Cervus pachyngena*. 10506: Le *Cervus (Megaceroides) algericus* Lydekker, 1890. 10507: Sur l'âge des éléphants quaternaires d'Algérie.

ff East Africa.

Birkner. 10315. Der angeblich diluviale Menschenfund in der Oldoway-Schlucht in Deutsch-Ostafrika.

Reck. 10648. Fund eines fossilen Menschenskelets aus Zentralafrika. 10649: Fossile Tier- und Menschenfunde aus Oldoway in Zentralafrika.

fh **Madagascar.**

Carle-Weissen. 10357. Les ossements d'un *Archæolemur* et les caractères du volcan Iatsifotra dans lequel il a été trouvé.

g **NORTH AMERICA.**

gg **North Eastern United States.**

Schuchert. 10672. *Mammul americanum* in Connecticut. [With a note on the Farmington specimen by Richard S. Lull.]

Smith. 10691. A review of the mammalian remains from the superficial deposits in the vicinity of Onondaga lake, New York. 10692: A new locality for *Castoroides*.

gi **Western United States.**

Buwalda. 10353. Tertiary mammal beds of Stewart and Ione valleys in west-central Nevada.

Merriam. 10574. Discovery of human remains in an asphalt deposit at Rancho La Brea. [Cal.]

Stock. 10709. Skull and dentition of the mylodont sloths of Rancho La Brea. 10710: The systematic position of the mylodont sloths from Rancho La Brea.

h **SOUTH AMERICA.**

hf **Peru.**

Eaton. 10424: Remains of man and of lower animals from the vicinity of Cuzco, Peru. 10425: Vertebrate fossils from Ayasbambaz, Peru.

hi **Argentina.**

Trouessart. 10725. Le cheval existait-il en Amérique à l'époque de la découverte du Nouveau Continent?

PALAEOZOOLOGIA.

B. ZOOLOGICAL CLASSIFICATION.

0231 PALAEOZOOLOGIA.

0231.39 GENERAL.

Abel. 10281. Paläontologie und Paläozoologie. 10282: Die Tiere der Vorwelt.

Chapman. 10373. Australasian fossils.

Loewe. 10548. Vorkommen von Zahnerkrankungen und speziell von Karies bei fossilen Tieren.

0231.45 PALAEOZOIC.

Anci. 10284. Les faunes paléozoïques et celles qui s'y rattachent.

Foerste. 10434. The Rogers Gap fauna of central Kentucky.

Schuchert. 10673. Arctic Paleozoic fossils.

Smith. 10690. Fossils of the Paleozoic formations within the Syracuse quadrangle.

0231.50 LOWER PALAEOZOIC.

Ami. 10283. Preliminary lists of organic remains from the Chazy, Black River, Trenton, and Pleistocene formations comprised within the area of the Pembroke sheet (No. 122).

Burling. 10351. Early Cambrian stratigraphy in North American Cordillera, with discussion of Albertella and related faunas.

Raymond. 10646. The succession of faunas at Lévis, P. 2.

0231.55 UPPER PALAEOZOIC.

Carpentier. 10358. Empreintes végétales et remarques sur la faune du calcaire de Bachant

(κ-5109)

Clarke. 10387. Illustrations of the Devonian fossils of southern Brazil and the Falkland islands.

Delépine. 10404. Faune du calcaire carbonifère du bassin de Laval.

Doring. 10411. Die Caiqua-Schicht im Pafirather Stringocephalenkalk.

Grabau. 10456. Fauna of the Dundee limestone of southern Michigan.

Heritsch. 10477. Richtigstellungen zu L. Kober's Angaben über das Paläozoicum von Graz.

Kegel. 10516. Der Taunusquarzit von Katzenelnbogen.

Meyer. 10579: Carbonfaunen aus Bolivia und Peru. 10580: Der Lahnporphyr bei Diez und eine begleitende Fauna.

Pruvost. 10638. L'âge des schistes pourprés de Papiol, près Barcelone.

Sherzer. 10682. Geological report on Wayne county [Michigan].

Smyth. 10698. On the faunal zones of the Rush-Skerries carboniferous section co. Dublin.

0231.65 TRIASSIC.

Smith. 10694. On the distribution of Lower Triassic faunas.

Wurm. 10771. Die iberisch-balearenische Triasprovinz.

0231.70 JURASSIC.

Jaworski. 10500. Jura in Süd-Amerika. Tl. 1. Allgemeiner Teil.

Schirardin. 10669. Der obere Lias von Barr-Heiligenstein.

0231.75 CRETACEOUS.

Whitney. 10745. Fauna of the Buda limestone.

0231.80 CAENOZOIC (TERTIARY) (GENERAL).

Böhm u. Weissermel. 10317. Über tertiäre Versteinerungen von den Bogenfelder Diamantfeldern.

Chapman. 10367. Fossil types of the Australian Cainozoic system.

Merriam. 10575. Correlation between the Tertiary of the Great Basin and that of the marginal marine province in California.

0231.85 LOWER CAENOZOIC (EOCENE, OLIGOCENE).

Dickerson. 10498. Fauna of the Martinez Eocene of California.

Peale. 10614. On the stratigraphic position and age of the Judith river formation. [Formerly supposed to be Cretaceous.]

0231.90 UPPER CAENOZOIC (MIOCENE, PLIOCENE).

Bogačev. 10319. La faune des dépôts salifères de la Transcaucasie. (Russ. av. rés. fr.)

Cockerell. 10389. The fauna of the Florissant (Colorado) shales.

English. 10429. The Fernando group near Newhall, California.

Thienemann. 10721. Die Ausbildung neuer Tierarten durch die Eiszeit.

Walther. 10738. Alter und geologischer Charakter der sogen. Pampasformation in Uruguay.

0231.95 PLEISTOCENE AND RECENT.

Ami. 10283. Preliminary lists of organic remains from the Chazy, Black River, Trenton, and Pleistocene formations comprised within the area of the Pembroke Sheet (No. 122).

Beauchamp. 10297. Une tourbière sous-marine comme milieu biologique.

Cépède. 10366. Les gisements de tourbe sous-marine, milieux biologiques

English. 10429. The Fernando Group near Newhall, California.

Menzel. 10567. Fossilführung und Gliederung der Lössformation im Donautal bei Krems.

Tornau. 10723. Über einige neue Funde von Diluvialfossilien aus Bohrunen in Ostpreussen.

Walther. 10738. Alter und geologischer Charakter der sogen. Pampasformation in Uruguay.

Wieggers. 10748. Fossilführung und Gliederung der Lössformation im Donautal bei Krems.

0431 PROTOZOA.**0431.39 GENERAL.**

Deecke. 10403. Paläontologische Betrachtungen VI. Über Foraminiferen.

0431.50 LOWER PALAEOZOIC.

Cryptozoon nn. spp. Australia. Cambrian. **Howchin.** 10483.

0431.55 UPPER PALAEOZOIC.

Fusulina. U.S. spp., nomenclature. **Girty.** 10452.

Schellwienia nn. spp. Bolivia. **Meyer.** 10579.

0431.75 CRETACEOUS.

Franke. 10439. Die Fauna des Emschers bei Dortmund.

Geinitz. 10445. Foraminiferen in Diluvialschichten.

0431.80 CAENOZOIC (TERTIARY)

Rutten. 10665. Foraminiferen aus Ost-Asien.

0431.85 LOWER CAENOZOIC (EOCENE, OLIGOCENE).**GENERAL.**

Jaeger. 10496. Ein Gerölle von eocänem Mammulitenkalk im Miocän bei Leutschach.

SPECIAL.

Nammulites Yawensis n. sp. Burma. Eocene. **Cotter.** 10398.

0431.95 PLEISTOCENE AND RECENT.

Geinitz. 10445. Foraminiferen in Diluvialschichten.

0631 PORIFERA.

0631.55 UPPER PALAEOZOIC.

Heinrich. 10474. Bau und System der Stromatoporoidea.

0631.70 JURASSIC.

Cephalites maximus Eichw. Russia. Karakasch. 10515.

0631.75 CRETACEOUS.

Franke. 10439. Die Fauna des Emschers bei Dortmund.

0631.90 UPPER CAENOZOIC, MIOCENE, PLIOCENE.

Chenendopora (?) *major* n. sp. Philippines, Miocene. Smith. 10697.

0831 COELENTERATA.

0831.38 FOSSILS OF DOUBTFUL STRATIGRAPHICAL POSITION.

Yabe. 10775. *Myriopora Verbeeki* Volz und *Stromatopora japonica* Yabe.

0831.39 GENERAL.

Jourdy. 10512: L'architecture des animaux-plantes. 10513: Coralliaires et bactéries corallicoles.

0831.45 PALAEOZOIC (GENERAL).

Foerste. 10434. The Rogers Gap fauna of central Kentucky.

Steinmann. 10705. *Gymnosolen Ramsayi* aus Kanin.

SPECIAL.

Columnaria alveolata interventa n. var. Kentucky, Palaeozoic. Foerste. 10434.

Siphonophrentis n. gen. O'Connell. 10600.

Zaphrentis; revision. O'Connell. 10690.

0831.50 LOWER PALAEOZOIC.

GENERAL.

Dollé. 10413. Les graptolites de la haute plaine du Tidikelt.

Manck. 10556. *Retiolites macilentus* Törnq.

SPECIAL.

Glyptograptus sacculifer n. sp. Tidikelt. Dollé. 10413.

Rastrites reyi n. sp. Tidikelt. Dollé. 10413.

0831.55 UPPER PALAEOZOIC.

GENERAL.

Charlesworth. 10376. Korallen und Stromatoporoiden. 10377: Riffkorallen aus dem Unterdevon der Karnischen Alpen.

Haack. 10465. Über eine Marine Permfauna aus Nordmexiko nebst Bemerkungen über Devon daselbst.

Salée. 10666. Polypiers carbonifériens du Muséum d'Histoire naturelle de Paris.

SPECIAL.

Alveolites n. sp. et mut. Alpen, Devon. Charlesworth. 10376, 77.

Amplexus Frechi n. sp. Alpen, Devon. Charlesworth. 10376, 77.

Clathrodictyon carnicum n. sp. Charlesworth. 10376.

Columnaria symbiotica n. sp. Charlesworth. 10376.

Cyathaxonia Girtyi n. sp. Nordmexiko, Perm. Haack. 10465.

Cyathophylloides symbioticum n. sp. Alpen, Devon. Charlesworth. 10377.

Cyathophyllum nn. spp. Alpen, Devon. Charlesworth. 10376, 77.

Cystiphyllum intermedium densum n. var. Alpen, Devon. Charlesworth. 10376, 77.

Endophyllum carnicum n. sp. Alpen, Devon. Charlesworth. 10376, 77.

Favosites n. sp. et mut. Alpen, Devon. Charlesworth. 10376, 77.

Heliolites confinensis n. sp. Alpen, Devon. Charlesworth. 10376, 77.

Barbour. 10292. *Medusina walcotti* n. sp. Nebraska, Carboniferous.

Petraia celloniensis n. sp. Alpen, Devon. Charlesworth. 10377.

— *confinensis* n. sp. Charlesworth. 10376.

Solenopora. Ebersdorf, Oberdevon. Gürich. 10464.

Striatopora volaica n. sp. Alpen, Devon. Charlesworth. 10376, 77.

Stromatopora celloniensis n. sp. Charlesworth. 10376.

Stromatoporella volaica n. sp. Charlesworth. 10376.

Syringopora alpina sp. n. Devon.
Charlesworth, 10376, 77.

Thecia Swinderenana Goldf. n. mut.
devonica. Alpen. Charlesworth, 10376.

Zaphrentis alpina n. sp. Alpen,
Devon. Charlesworth, 10376, 77.

0831.65 TRIASSIC.

Yabe, 10775. *Myriopora Verbeeki*
Volz und *Stromatopora japonica* Yabe.

0831.75 CRETACEOUS.

GENERAL.

Karakasch, 10514. Les Isidines
fossiles. (Russe av. rés. fr.)

Richters, 10660. Berichtigung [zu
d. Artikel des Verf. über *Kristinella*,
1913].

SPECIAL.

Moltkia Isis. Denmark, Cretaceous,
Nielsen, 10594.

0831.85 LOWER CAENOZOIC

GENERAL.

Kranz, 10526. Das Tertiär zwischen
Castelgomberto, Montecchio, Maggiore,
Creazzo und Monteviale im Vicentin.

Oppenheim, 10604: Fauna und
Alter des Konglomerates von Zdaunek
bei Kremsier. 10605: Alttertiäre
Korallen vom Nordrand der Madonie
in Sizilien.

SPECIAL.

Astracopora perexigua n. sp. Zdaunek,
Konglomerat. Oppenheim, 10604.

Barysmilia Montecchiana n. sp.
Vicentin, Tertiär. Kranz, 10526.

Calamophyllia Trinitensis n. sp.
Vicentin, Tertiär. Kranz, 10526.

Stylocoenia. Andrée, 10286.

Thamnastraea irradians Reuss. n.
var. *cingulata*. Vicentin, Tertiär.
Kranz, 10526.

0831.90 UPPER CAENOZOIC (MIOCENE, PLIOCENE).

Montlivaultia nn. spp. Philippines,
Miocene or Pliocene. Smith, 10697.

Odontocyathus coloratus n. sp. Philip-
pines, Miocene or Pliocene. Smith,
10697.

Pattalophyllia (?) *bonita* n. sp.
Philippines, Miocene. Smith, 10697.

Ptychocyathus (?) *incognitus* n. sp.
Philippines, Miocene or Pliocene
Smith, 10697.

0831.95 PLEISTOCENE AND RECENT.

GENERAL.

Jakovlev, 10498. Récifs coralliens
de l'Océan Indien et de la mer Rouge.
(Russe av. rés. fr.)

SPECIAL.

Carophyllia (?) *laogana* n. sp.
Philippines, Pleistocene or Recent.
Smith, 10697.

1031 ECHINODERMATA.

1031.39 GENERAL.

Vadász, 10729. Regenerationser-
scheinungen an fossilen Echinoiden.

1031.45 PALAEOZOIC.

Lichenocrinus subaequalis n. sp.
Kentucky, Palaeozoic. Foerste, 10434.

Ohiocrinus exilis sp. n. Kentucky,
Palaeozoic. Foerste, 10434.

1031.50 LOWER PALAEOZOIC.

GENERAL.

Williams, 10756. A starfish found in
the Whitewater division of the Rich-
mond on Blue creek, Adams county,
Ohio.

SPECIAL.

Camarocrinus asiaticus. Northern
Shan States, Burma. Reed, 10651.

Caryocystis bicompressa sp. n. Or-
dovician of W. Yunnan. Reed, 10650.

Echinosphaera sinensis sp. n. Or-
dovician of W. Yunnan. Reed, 10650.

Eucrinurus cf. *punctatus* (Brün)
Kashmir. Reed, 10650A.

Heliocrinus subovalis sp. n. Or-
dovician of W. Yunnan. Reed, 10650.

Homocrinidae fam. n. Kirk, 10520.

Homocrinus parvus. Kirk, 10520.

Lasiocrinus gen. n. Kirk, 10520.

Ovocystis Mansuyi n. gen. et sp. Ordo-
vician of W. Yunnan. Reed, 10650.

Promo-palucaster dyeri (?) Ohio,
Ordovician. Williams, 10756.

Sinocystis piroides n. gen. et sp. Ordo-
vician of W. Yunnan. Reed, 10650.

Sphaeronis shihtienensis n. sp.
Ordovician of W. Yunnan. **Reed.**
10650.

1031.55 UPPER PALAEOZOIC.

(GENERAL.

Charlesworth. 10375. Das Devon der Ostalpen. Die Fauna des devonischen Riffkalkes. III Crinoiden.

Clarke. 10387. Illustrations of the Devonian fossils of southern Brazil and the Falkland Islands.

SPECIAL.

Cactocrinus spp. n. Iowa, Carboniferous. **Wood.** 10770.

Cyathocrinus carnicus n. sp. Ostalpen, Devon. **Charlesworth.** 10375.

Hexacrinus Frechi n. sp. Ostalpen, Devon. **Charlesworth.** 10375.

Megistocrinus devonicus n. sp. Ostalpen, Devon. **Charlesworth.** 10375.

Melocrinus prostellaris. Frech mscr. Ostalpen, Devon. **Charlesworth.** 10375.

Nymphaeoblastus Miljukovi n. gen. et sp. Central Asiatic Russia, Carboniferous. **Peetz.** 10615.

Rhipidocrinus nn. spp. Ostalpen, Devon. **Charlesworth.** 10375.

1031.65 TRIASSIC.

Pentacrinus cf. *asteriscus* Nevada, California, Triassic. **Smith.** 10695.

1031.70 JURASSIC.

Lissajous. 10546. Echinides jurassiques des environs de Mâcon.

Riabinin. 10656. Echinodermes jurassiques de Popelany en Lithuanie. (Russe av. rés. fr.).

1031.75 CRETACEOUS.

GENERAL.

Démoly. 10405. Observations sur les échinides de la Savoie.

Franke. 10439. Die Fauna des Emschers bei Dortmund.

Valette. 10730. Description de quelques Echinides nouveaux de la craie.

SPECIAL.

Antedon nn. spp. Denmark. Cretaceous. **Nielsen.** 10592.

Atelecrinus faxensis n. sp. Denmark, Cretaceous. **Nielsen.** 10592.

Bourgueticrinus nn. spp. Denmark, Cretaceous. **Nielsen.** 10592.

Infulaster tuberculatus n. sp. Craie. **Valette.** 10730.

Pentacrinus nn. spp. Denmark, Cretaceous. **Nielsen.** 10592.

Rhizocrinus dubius n. sp. Denmark, Cretaceous. **Nielsen.** 10592.

1031.90 UPPER CAENOZOIC (MIOCENE, PLIOCENE).

GENERAL.

Cottreau. 10399. Les Échinides néogènes du bassin méditerranéen.

Kew 10517. Tertiary echinoids of the Carrizo Creek region in the Colorado desert.

Lambert. 10536. La *Scutella gibbercula* Marcel de Serres, 1829.

Pilsbry. 10629. Description of a new echinoderm.

SPECIAL.

Amphiopa boulei n. sp. Méditerranéen. **Cottreau.** 10399.

Astrodapsis peltoides sp. n. California, Neocene. **Anderson and Martin.** 10285.

Clypeaster spp. n. California, Miocene. **Kew.** 10517.

Echinolampas tagliaferroi n. sp. Méditerranéen. **Cottreau.** 10399.

Echinoneus cyclostomus Leske var' **Haugi.** Méditerranéen. **Cottreau.** 10399.

Encope tenuis sp. n. California, Miocene. **Kew.** 10517.

Eupatagus mooreanus sp. n. Florida, Pliocene. **Pilsbry.** 10629.

Hipponoz californica sp. n. California, Miocene. **Kew.** 10517.

Schizaster gennevaxi n. sp. Méditerranéen. **Cottreau.** 10399.

1031.95 PLEISTOCENE AND RECENT.

Fourtau. 10437. La faune échinétique des plages soulevées de la mer Rouge.

2031 BRACHIOPODA AND BRYOZOA.

2031.39 GENERAL.

GENERAL.

Canu. 10355. Études morphologiques sur trois nouvelles familles de Bryozoaires.

Greger. 10460. On the retention of the original color ornamentation in fossil brachiopods.

SPECIAL.

Acroporidae n. fam. **Canu.** 10355.

Beisselina n. gen. **Canu.** 10355.

Berenicea amphora n. sp. **Canu.** 10355.

Coscinopleuridae n. fam. **Canu.** 10355.

Proboscina lesurensis n. sp. **Canu.** 10355.

Smittia saccoi n. sp. **Canu.** 10355.

Vinelloidea crussolensis n. sp. **Canu.** 10355.

2031.45 PALAEOZOIC (GENERAL).

GENERAL.

Assmann. 10288. Die Fauna der Erbsloch-Grauwacke bei Densberg im Kellerwald.

SPECIAL.

Athyris nn. spp. Grauwacke. **Assmann.** 10288.

Orthis Fuchsii sp. n. Grauwacke. **Assmann.** 10288.

Spirifer nn. spp. Grauwacke. **Assmann.** 10288.

Strophomena subcircularis sp. n. Grauwacke. **Assmann.** 10288.

2031.50 LOWER PALAEOZOIC.

GENERAL.

Burling. 10350. Cambrian and related Ordovician Brachiopoda; a study of their inclosing sediments.

SPECIAL.

Atrypa marginalis. Dalm. var. Kashmir, Silurian. **Reed.** 10650A.

Camarotoechia nuda (Sowerby)? Kashmir, Silurian. **Reed.** 10650A.

Merista? sp. Kashmir, Silurian. **Reed.** 10650A.

Orthis spp. Kashmir, Silurian. **Reed.** 10650A.

Plectambonites aff. *papillosa*. Kashmir, Silurian. **Reed.** 10650A.

Rhynchospira aff. *Bouchardi* (Davids)? Kashmir, Silurian. **Reed.** 10650A.

Strophomena antiquata, Sowerby. Kashmir, Silurian. **Reed.** 10650A.

Triplecia insularis, Eichw. Kashmir, Silurian. **Reed.** 10650A.

2031.55 UPPER PALAEOZOIC.

GENERAL.

Clarke. 10387. Illustrations of the Devonian fossils of southern Brazil and the Falkland Islands.

Grabau. 10456. Fauna of the Dundee limestone of southern Michigan.

Lebedev. 10538. Materialien zur Geologie des Donetzbeckens. Spiriferidae aus den Karbonablagerungen des Donetzbeckens und einiger anderer Gebiete Russlands.

Pirsson and Schuchert. 10632. Occurrence of the Oriskany Formation on Parlin Stream, Maine.

Quiring. 10642. Zusammenstellung der Strophomeniden des Mitteldevons der Eifel nebst Beiträgen zur Kenntnis der Wanderbewegung der Brachiopoden im Eifeldevon.

Sobolev. 10699. Das obere Neodevon von Lagov. (Russ.)

SPECIAL.

Camarophoria thevenini n. sp. Bolivien, Carbonifère supérieur. **Kozłowski.** 10525.

Chilotrypa peruana sp. n. Peru, Carbon. **Meyer.** 10579.

Derbyia parasitica. Bolivien, Carbonifère. **Kozłowski.** 10525.

Leiorhynchus kielcensis n. sp. Russland, Devonian. **Sobolev.** 10699

Productus n. var. et spp. Bolivien, Carbonifère. **Kozłowski.** 10525.

Rhynchonella n. subg. Tannusquarzit. **Kegel.** 10516.

Rhipidomella variabilis sp. n. Michigan Limestone. **Grabau.** 10456.

Spirifer Bischofi n. var. *rhenana*. Devon. **Kegel.** 10516.

Spirifer pirssonae sp. n. Maine, Devonian. Pirsson and Schuchert. 10632.

Stropheodonta spp. n. Michigan, Limestone. Grabau. 10456.

———— *biplana* n. sp. Eifel, Mitteldevon. Quiring. 10642.

———— *Sedgwicki* n. var. *rudis* Devon. Kegel. 10516.

2031.65 TRIASSIC.

Seidlitz. 10676; *Misolia* n. gen. Buru u. Misol. Kalk.

2031.70 JURASSIC.

GENERAL.

Boehm. 10316. *Rhynchonella* aff. *moluccana*. G. Boehm von Neu-Guinea.

Canu. 10354. Bryozoaires jurassiques.

SPECIAL.

Rhynchonella spp. Steiger. 10704.

2031.75 CRETACEOUS.

Argiope nn. spp. Denmark, Chalk. Nielsen. 10593.

Crania nn. spp. Denmark, Chalk. Nielsen. 10593.

Terebratula nn. spp. Denmark, Chalk. Nielsen. 10593.

Thecidium Grönwallii n. sp. Denmark, Chalk. Nielsen. 10593.

2031.85 LOWER CAENOZOIC (EOCENE, OLIGOCENE).

GENERAL.

Dilatipora luteiciana n. sp. France. Canu. 10356.

Micronella longicella n. sp. France. Canu. 10356.

Micropora magnipora n. sp. France. Canu. 10356.

Monopora asymmetrica n. sp. France. Canu. 10356.

Petralia nn. spp. France. Canu. 10356.

Quadricellaria ventricosa n. sp. France. Canu. 10356.

Schizoporella subsinuosa n. sp. France. Canu. 10356.

2031.90 UPPER CAENOZOIC (MIOCENE, PLIOCENE).

Canu. 10354. L'étude des Bryozoaires fossiles.

Gignoux. 10447. Les formations marines pliocènes et quaternaires de l'Italie du sud et de la Sicile.

2031.95 PLEISTOCENE AND RECENT.

Gignoux. 10447. Les formations marines pliocènes et quaternaires de l'Italie du sud et de la Sicile.

2231 MOLLUSCA.

2231.39 GENERAL.

Douville. 10416. Classification des Lamellibranches.

Ličkov. 10542. Sur les Trigonies.

Reis. 10654. Zur Morphologie der Austernschale.

Smith. 10696. Acceleration of development in fossil cephalopoda.

2231.45 PALAEOZOIC (GENERAL)

GENERAL.

Schuchert. 10673. Arctic Palaeozoic fossils.

SPECIAL.

Bellerophon rogersensis sp. n. Kentucky, Palaeozoic. Foerste. 10434.

Conularia trentonensis-rogersensis var. n. Kentucky, Palaeozoic. Foerste. 10434.

Cycloconcha oblonga sp. n. Kentucky, Palaeozoic. Foerste. 10434.

Hebertella latasulcata sp. n. Kentucky, Palaeozoic. Foerste. 10434.

Holopea incerta sp. n. Kentucky Palaeozoic. Foerste. 10434.

Hormotoma terebriiformis sp. n. Kentucky, Palaeozoic. Foerste. 10434.

Modiolopsis rogersensis sp. n. Kentucky, Palaeozoic. Foerste. 10434.

Orthoceras rogersensis sp. n. Kentucky, Palaeozoic. Foerste. 10434.

Protozyga obsoleta sp. n. Kentucky, Palaeozoic. Foerste. 10434.

2231.50 LOWER PALAEOZOIC.
GENERAL.)

Conchidium cf. *Knighti* (Sow.) ?
Kashmir, Silurian. Reed, 10650A.

Cystoceras sp. Kashmir, Silurian.
Reed, 10650A.

Dimorphoceras looneyi n. var.
saharica. Oued Zousfana, Dinantien
supérieur. Dollé, 10412.

Glyphioceras subglobosum n. sp.
Oued Zousfana, Dinantien supérieur.
Dollé, 10412.

Orthoceras cf. *tenniannulatum*, Mc.
Coy. Kashmir, Silurian. Reed, 10650A.

Pronorites regii n. sp. Oued Zous-
fana, Dinantien supérieur. Dollé
10412.

Trochoceras yunnanense sp. n. Ordo-
vician of W. Yunnan. Reed, 10650.

2231.55 UPPER PALAEOZOIC.

GENERAL.

Clarke, 10387. Illustrations of the
Devonic fossils of southern Brazil and
the Falkland Islands.

Frech, 104407. Über einige mittel-
devonische *Bellerophon*-Arten.

——— 10441. Ein neues Vorkom-
men des Stringocephalenkalkes in
Hunan (Sichchina).

Leidhold, 10540. Über einen *Man-
ticoceras intarsatus* Beyr. sp. mit
erhaltener Mündung.

Pirsson and Schuchert, 10632.
Occurrence of the Oriskany Formation
on Parlin Stream, Maine.

Pohlig, 10633. Neue rheinische
Hälsersitenfunde

Pravost, 10641. Les niveaux à
Lamellibranches d'eau douce dans le
terrain houiller du nord de la France,
leur faune et leur distribution strati-
graphique.

Roundy, 10663. Original color
markings of two species of carboni-
ferous gastropods.

Sobolev, 10699. Das obere Neodevon
von Lagov. (Russ.)

Van Tuyl and Berckhemer, 10732.
A problematic fossil from the Catskill
formation.

Williams, 10755. Recurrent *Tro-
pidoleptus* zones of the Upper Devonian
in New York.

SPECIAL.

Avicula convexa sp. n. Devon.
Kegel, 10516.

Aviculopecten nn. spp. Devon.
Kegel, 10516.

Bellerophon nn. spp. Devon. Kegel.
10516.

Beneckeia subdenticulata Pohlig.
Jena, Röttelomitt. Pohlig, 10634.

Cheiloceras nn. spp. Russia,
Devonian. Sobolev, 10699.

Clymenia nn. spp. Russia,
Devonian. Sobolev, 10699.

Ctenodonta nn. spp. Devon. Kegel.
10516.

Cypricardella procurta sp. n. Devon.
Kegel, 10516.

Cyrtoceras ellipticum n. sp. Russia,
Devonian. Sobolev, 10699.

Glyptobasis marshalli sp. n. Indiana,
Carboniferous. Roundy, 10663.

Goniophora cornucopiae sp. n.
Devon. Kegel, 10516.

Grammysia orbicularis sp. n. Devon.
Kegel, 10516.

Holopea proutana. Indiana, Carboni-
ferous. Roundy, 10663.

Mollimorpha n. sp. et. mut. Devon.
Kegel, 10516.

Myophoria inflata mut. n. *primaeva*.
Devon. Kegel, 10516.

Naticopsis. Indiana, Carboniferous.
Girty, 10451.

Orthonota costata sp. n. Devon.
Kegel, 10516.

Plithomytilus truncatus sp. n. Devon.
Kegel, 10516.

Pleurotomaria Creceii sp. n. Devon.
Kegel, 10516.

Pleurotomaria delphinuloides var. n.
bathyschistes. China. Frech, 10441.

Potrioceras nn. spp. Russia,
Devonian. Sobolev, 10699.

Prothyris carinata sp. n. Devon.
Kegel, 10516.

Rectoglossa gen. n. et sp. *proble-
matica*. Pennsylvania, Devonian.
Van Tuyl and Berckhemer, 10732.

Spiriferina Haarmanni n. sp.
Nordmexiko, Perm. Haack. 10465.

Tornoceras dorsoplanum n. sp.
Russia, Devonian. Sobolev. 10699.

2231.60 MESOZOIC (GENERAL)

Douvillé. 10419. Influence du mode de vie sur la ligne suturelle des Ammonites appartenant à la famille des Cosmoceratidae.

2231.65 TRIASSIC.

GENERAL.

Toula. 10724. Geologisch-paläontologische Beobachtungen aus der Gegend von Drvar, Péc et Duler in Westbosnien.

Troxell. 10726. Unios in the Triassic of Massachusetts.

SPECIAL.

Acrochorliceras spp. n. Nevada, California. Smith. 10695.

Arcestes hartzelli n. sp. Nevada. Smith. 10695.

Atractites spp. n. Nevada. Smith. 10695.

Balatonites spp. n. Nevada. Smith. 10695.

——— nn. spp. Muschelkalk, Niederschlesien. Rassmuss. 10643.

Beyrichites spp. n. Nevada. Smith. 10695.

Celtites spp. n. Nevada. Smith. 10695.

Ceratites spp. nn. Nevada, Triassic. Smith. 10695.

——— *Kittli* sp. n. Westbosnien. Toula. 10724.

Columbites spp. n. Nevada, Triassic. Smith. 10695.

Congeris Drearensis sp. n. Westbosnien. Toula. 10724.

Dalmatites spp. n. Nevada, Triassic. Smith. 10695.

Daonella spp. n. Nevada, Triassic. Smith. 10695.

——— n. sp. et var. Toula. 10724.

Dinarites spp. n. Nevada, Triassic. Smith. 10695.

Eutomoceras spp. n. Nevada, Triassic. Smith. 10695.

Germanonutilus furlongi sp. n. Nevada, Triassic. Smith. 10695.

Gymnites spp. n. Nevada, Triassic. Smith. 10695.

——— *petensis* sp. n. Westbosnien. Toula. 10724.

Hungarites fittipensis sp. n. Nevada, Triassic. Smith. 10695.

Lecanites spp. n. Nevada, Triassic. Smith. 10695.

Megaphyllites septentrionalis sp. n. Nevada, Triassic. Smith. 10695.

Nannites contractus sp. n. Nevada, Triassic. Smith. 10695.

Nevadites gen. n. Nevada, Triassic. Smith. 10695.

Paranannites oviformis sp. n. California, Triassic. Smith. 10695.

Ptychites evansi sp. n. Nevada, Triassic. Smith. 10695.

——— n. sp. et var. Westbosnien. Toula. 10724.

Trachyceras n. spp. Nevada, Triassic. Smith. 10695.

Tropigastrites n. gen. et sp. Nevada, Triassic. Smith. 10695.

Unio emersoni sp. n. Massachusetts, Triassic. Troxell. 10726.

Xenodiscus multicameratus sp. n. California, Triassic. Smith. 10695.

2231.70 JURASSIC.

GENERAL.

Douvillé. 10420. Ammonites remarquables ou peu connues.

Maire. 10554. Etudes géologiques et paléontologiques sur l'arrondissement de Gray. Les Gastropodes du Jurassique supérieur graylois.

Roman. 10662. La faune des Céphalopodes de l'Aalénien supérieur de la vallée du Rhône (zone à *Ludwigia concava*).

Schirardin. 10669. Der obere Lias von Barr-Heiligenstein.

Schmidt. 10671. Die Arieten des unteren Lias von Harzburg.

Sokolov. 10700. Les fossiles des blocs erratiques de Novaia Zemlia. (Russe.)

Yokoyama. 10777. On a jurassic ammonite from Rikuzen.

SPECIAL.

Anlacosphinctes nn. spp. Himalayas. Spiti Shales. **Steiger.** 10704.

Belemnites infans sp. n. Elsass, Lias. **Schirardin.** 10669.

Brodiceras nn. spp. Elsass, Lias. **Schirardin.** 10669.

Cotteswoldia nn. spp. Elsass, Lias. **Schirardin.** 10669.

Cylicoceras splendens sp. n. Elsass, Lias. **Schirardin.** 10669.

Grammoceras nn. spp. Elsass, Lias. **Schirardin.** 10669.

Hammatoceras vetustum sp. n. Elsass, Lias. **Schirardin.** 10669.

Harpoceras subtile sp. n. Elsass, Lias. **Schirardin.** 10609.

Haugia humilis sp. n. Elsass, Lias. **Schirardin.** 10669.

Lioceras Seidlitzii n. sp. Elsass, Lias. **Schirardin.** 10669.

Ludwigia nn. spp. Elsass, Lias. **Schirardin.** 10669.

Nautilus nn. spp. Jura. **Loesch.** 10547.

Nerinea rochensis n. sp. Gray, Jurassique supérieur. **Maire.** 10554.

Oppelia alberti n. sp. **Douvillé.** 10420.

Pachyceras nn. spp. **Douvillé.** 10418.

Perisphinctes nn. spp. **Steiger.** 10704.

Phlyseogrammoceras dominans sp. n. Elsass, Lias. **Schirardin.** 10669.

Pleurotomaria Buchiana. Russland. **Riabinin.** 10657.

Poecilomorphus infernensis n. sp. Vallée du Rhône, Aalénien supérieur. **Roman.** 10662.

Pseudoqrammoceras nn. spp. Elsass, Lias. **Schirardin.** 10669.

Pseudolioceras nn. spp. Elsass, Lias. **Schirardin.** 10669.

Quenstedticeras nn. spp. **Douvillé.** 10418.

———— *cadoceratoides* n. sp. **Douvillé.** 10420.

Sulcoactaeon grayensis n. sp. Gray, Jurassique supérieur. **Maire.** 10554.

2231.75 CRETACEOUS.

GENERAL.

Douvillé. 10417. Quelques Rudistes du Liban et sur l'évolution des Biradionnés.

Eck. 10426. Die Cephalopoden der Schweinfurthschen Sammlung aus der Oberen Kreide Aegyptens.

Franke. 10430. Die Fauna des Emschers bei Dortmund.

Kilian et Reboul. 10519. La présence des Céphalopodes à affinités indo-africaines dans le crétacé moyen de Cassis (Bouches-du-Rhône).

Newton. 10589. Cretaceous fossils from the Bethelsdorp Salt Pans, South Africa, belonging to the Albany Museum.

Pruvost. 10640. Rudistes turoniens du nord de la France.

Stephenson. 10707. Species of *Exogyra* from the eastern Gulf region and the Carolinas.

Whitney. 10745. Fauna of the Buda limestone.

Yabe. 10774. Ein neuer Ammonitenfund aus der Trigoniasandsteingruppe von Provinz Tosa.

SPECIAL.

Anatina negrei n. sp. **Cossmann.** 10397.

Anomia geniculata sp. n. Texas, Cretaceous. **Whitney.** 10745.

Arca. Himalayas, Lower Cretaceous. **Spitz.** 10702.

Astarte hundesiana n. sp. Himalayas, Lower Cretaceous. **Spitz.** 10072.

Avicula. Himalayas, Lower Cretaceous. **Spitz.** 10702.

Barbatia simondsi sp. n. Texas, Cretaceous. **Whitney.** 10745.

Belemnites n. sp. Kavkaz. **Sinzow.** 10687.

Cardium. Himalayas, Lower Cretaceous. **Spitz.** 10752.

Cerithium nn. spp. Texas, Cretaceous. **Whitney.** 10745.

Cinulia nn. spp. Texas, Cretaceous. **Whitney.** 10745.

Corbis montana n.f. Himalayas, Lower Cretaceous. **Spitz.** 10702.

Cucullaea uhligi n. sp. Himalayas, Lower Cretaceous. **Spitz.** 10702.

Cylindrites whitii sp. n. Texas, Cretaceous. **Whitney.** 10745.

Ducalia nn. spp. Caucasus, Lower Cretaceous. **Švecov.** 10717.

Exogyra upatoiensis n. sp. et varr. South-eastern U. S., Cretaceous. **Stephenson.** 10707.

Fistulana rupertii sp. n. Texas, Cretaceous. **Whitney.** 10745.

Fusus simondsi n. sp. Texas, Cretaceous. **Whitney.** 10745.

Goniocylindrites nn. spp. Gray, Jurassic supérieur. **Maire.** 10554.

Gryphaea. Himalayas, Lower Cretaceous. **Spitz.** 10702.

Heliculaux cossmanni n. sp. Touraine, Turonien. **Lecointre.** 10539.

Hobolites nn. spp. Caucasus, Lower Cretaceous. **Švecov.** 10717.

Homomya budaensis n. sp. Texas, Cretaceous. **Whitney.** 10745.

Hoplites. Himalayas, Lower Cretaceous. **Spitz.** 10702.

Lima. Himalayas, Lower Cretaceous. **Spitz.** 10702.

Modiola austinensis n. sp. Texas, Cretaceous. **Whitney.** 10745.

Nautilus subalbensis n. sp. Kavkaz. **Sinzow.** 10687.

Neolobites Fourtaui n. var. *Pervinquieri.* Aegypten, Obere Kreide. **Eck.** 10426.

Olcostephanus n. gen. et spp. Novaia Zemlia. **Sokolov.** 10700.

Opis. Himalayas, Lower Cretaceous. **Spitz.** 10702.

Ostrea papyracea n. sp. Kavkaz. **Sinzow.** 10687.

Pachymya austinensis n. var. *budaensis.* Texas, Cretaceous. **Whitney.** 10745.

Panopaea. Himalayas, Lower Cretaceous. **Spitz.** 10702.

Pecten Himalayas, Lower Cretaceous. **Spitz.** 10702.

Pseudomonotis superstes (n.f.). Himalayas, Lower Cretaceous. **Spitz.** 10702.

Spondylus nn. spp. Texas, Cretaceous. **Whitney.** 10745.

Tapes austinensis nn. sp. Texas, Cretaceous. **Whitney.** 10745.

———— *rochebruni*, Zittel. Himalayas, Lower Cretaceous. **Spitz.** 10702.

Tellina. Himalayas, Lower Cretaceous. **Spitz.** 10702.

Turritiles roemeri nn. sp. Texas, Cretaceous. **Whitney.** 10745.

Tylostoma nn. spp. Texas, Cretaceous. **Whitney.** 10745.

Unicardium cf. *tumidum.* Himalayas, Lower Cretaceous. **Spitz.** 10702.

Volutilithes austinensis nn. sp. Texas, Cretaceous. **Whitney.** 10745.

2231.80 CAENOZOIC (TERTIARY)

GENERAL.

Bucher. 10349. Beitrag zur geologischen Kenntnis des jüngeren Tertiärs der Rheinpfalz.

English. 10430. The *Ayasoma*-like gastropods of the California Tertiary.

Smith. 10693. Morphologie sequences in the canaliculate Fulgurs. [Phylogeny of structures from Oligocene to Recent.]

SPECIAL.

Gastrodonta coryphodontis nn. sp. Wyoming, Tertiary. **Cockerell.** 10391.

Helix nn. spp. New Mexico. **Cockerell.** 10391.

Holospira grangeri n. sp. New Mexico, Tertiary. **Cockerell.** 10391.

Moliolaria moguntina n. sp. Deutschl., Cerithienschiechten. **Bucher.** 10349.

Polygyra (?) *petrochlora* nn. sp. New Mexico, Tertiary. **Cockerell.** 10391.

Pyramidula ralstonensis nn. sp. Wyoming, Tertiary. **Cockerell.** 10391.

Stenomphalus cancellatus n. var. *ornata.* Deutschl., Cerithienkalk. **Bucher.** 10349.

Unio wasatchensis n. sp. Wyoming, Tertiary. **Cockerell.** 10391.

2231.85 LOWER CAENOZOIC
Eocene, OLIGOCENE).

GENERAL.

Oppenheim. 10604. Fauna und Alter des Konglomerates von Zdarnek bei Kremsier.

Savornin. 10668. Étude sur les Thersites.

SPECIAL.

Acmaea martinezensis n. sp. California, Eocene. Dickerson. 10408.

Admete clatskanensis n. sp. Oregon, Oligocene. Anderson and Martin. 10285.

Agasoma nn. spp. Oregon, Oligocene. Anderson and Martin. 10285.

Amauropsis nr. spp. Oregon, Eocene. Dickerson. 10410.

Amauropsis martinezensis nn. sp. California, Eocene. Dickerson. 10408.

Ampullina nn. spp. Java, Obereocän. Martin. 10561.

Anchura nn. spp. California, Eocene. Dickerson. 10408.

Ancilla nn. spp. Java, Obereocän. Martin. 10561.

Arca dalli n. sp. Panama, Oligocene. Brown and Pilsbry. 10340.

Athenotoma nn. spp. Java, Obereocän. Martin. 10561.

Bitium scotti nn. sp. Panama, Oligocene. Brown and Pilsbry. 10340.

Borsonia nn. spp. Java, Obereocän. Martin. 10561.

Bythinella antiquensis n. sp. Antigua, Oligocene. Brown and Pilsbry. 10341.

Cancellaria nn. spp. Java, Obereocän. Martin. 10561.

Cardium durum n. sp. Panama, Oligocene. Brown and Pilsbry. 10340.

Cassidaria arntzenii n. sp. Java, Obereocän. Martin. 10561.

Cassia jogjacartensis n. sp. Java, Obereocän. Martin. 10561.

Ceratodes jolyi n. sp. Algérie, Calcaire lacustre. Jodot. 10502.

Cerithiopsis oregonensis n. sp. Oregon, Eocene. Dickerson. 10410.

Cerithium nr. spp. Java, Obereocän. Martin. 10561.

Cerithium butterworthi n. sp. California, Eocene. Dickerson. 10409.

Chenopsis sultani n. sp. Java, Obereocän. Martin. 10561.

Cirsotrema nn. spp. Aarhus, Oligocene. Harder. 10469.

Clavilithes songoensis n. sp. Java, Obereocän. Martin. 10561.

Columbella nn. spp. Java, Obereocän. Martin. 10561.

Corbula hexacyma n. sp. Panama, Oligocene. Brown and Pilsbry. 10340.

Crassatellites nn. spp. California, Eocene. Dickerson. 10408.

———— *brainerdi* n. sp. California, Eocene. Dickerson. 10409.

———— *branneri* n. sp. California, Eocene. Waring. 10739.

———— *mediamericanus* n. sp. Costa Rica, Oligocene. Brown and Pilsbry. 10340.

Cucullaea morani n. sp. California, Eocene. Waring. 10739.

Cuspidaria hannibali n. sp. California, Eocene. Dickerson. 10408.

Cypraea conigera n. sp. Java, Obereocän. Martin. 10561.

Delphinula permodesta n. sp. Java, Obereocän. Martin. 10561.

Dientomochilus ickei n. sp. Java, Obereocän. Martin. 10561.

Dosinia delicatissima n. sp. Panama, Oligocene. Brown and Pilsbry. 10340.

Dosinia (?) *lawsoni* n. sp. California, Eocene. Dickerson. 10408.

Drillia nn. spp. Java, Obereocän. Martin. 10561.

Drillia columbiana n. sp. Oregon, Oligocene. Anderson and Martin. 10285.

Drillia enneacyma n. sp. Panama, Oligocene. Brown and Pilsbry. 10340.

Eulima jogjacartensis n. sp. Java, Obereocän. Martin. 10561.

Eurystrophe n. gen. Gude. 10462A.

Eutritonium nn. spp. Java, Obereocän. Martin. 10561.

Fasciolaria gorgiasiana n. sp. Panama, Oligocene. Brown and Pilsbry. 10340.

Faunus nn. spp. Java, Obereocän. Martin. 10561.

Fissurella (?) *behri* n. sp. California, Eocene. **Dickerson.** 10408.

Fusus dumblei n. sp. California, Eocene. **Dickerson.** 10408.

———— *nangkulmensis* n. sp. Java, Obereocän. **Martin.** 10561.

———— *scabriculus* n. var. *subcingularis*. Aarhus, Eocene. **Harder.** 10469.

Genotia nn. spp. Java, Obereocän. **Martin.** 10561.

Hemifusus (?) *waringi* n. sp. California, Eocene. **Dickerson.** 10408.

Hemisinus nn. spp. Antigua, Oligocene. **Brown and Pilsbry.** 10341.

Hercoglossa merriami n. sp. California, Eocene. **Dickerson.** 10408.

Hindsia nn. spp. Java, Obereocän. **Martin.** 10561.

Isocardia tejonensis n. sp. California, Eocene. **Waring.** 10739.

Lathyrus nn. spp. Java, Obereocän. **Martin.** 10561.

Leda nn. spp. California, Eocene. **Dickerson.** 10408.

Lima (?) nn. spp. California, Eocene. **Dickerson.** 10408.

———— *perrini* n. sp. California, Eocene. **Waring.** 10739.

Limopsis aurita Brocchi n. var. *parva*. Aarhus, Oligocene. **Harder.** 10469.

Macrocallista (?) *packi* n. sp. California, Eocene. **Dickerson.** 10408.

Mangilia nn. spp. Java, Obereocän. **Martin.** 10561.

Meretrix nn. spp. California, Eocene. **Dickerson.** 10408.

Mitra ravni n. sp. Aarhus, Oligocene. **Harder.** 10469.

Modiolus bakeri n. sp. California, Eocene. **Dickerson.** 10408.

Molopophorus dalli n. sp. Oregon, Oligocene. **Anderson and Martin.** 10285.

———— (?) *howardi* n. sp. California, Eocene. **Dickerson.** 10409.

Murex nn. spp. Java, Obereocän. **Martin.** 10561.

Nangkulania puruensis n. sp. Java, Obereocän. **Martin.** 10561.

Nassa nn. spp. Java, Obereocän. **Martin.** 10561.

———— *pracambigua* n. sp. Panama, Oligocene. **Brown and Pilsbry.** 10340.

Natica nn. spp. Java, Obereocän. **Martin.** 10561.

———— nn. spp. Panama, Oligocene. **Brown and Pilsbry.** 10340.

———— *lineata* n. sp. California, Eocene. **Dickerson.** 10408.

———— *hannibali* n. sp. Oregon, Eocene. **Dickerson.** 10410.

———— *pinyonensis* n. sp. California, Eocene. **Dickerson.** 10409.

Nautilus hallidayi n. sp. California, Eocene. **Waring.** 10739.

———— *stephensoni* n. sp. California, Eocene. **Dickerson.** 10408.

Neara mörchi n. sp. Aarhus, Oligocene. **Harder.** 10469.

Nerita (?) *biangulata* n. sp. California, Eocene. **Dickerson.** 10408.

Niso denticulata n. sp. Java, Obereocän. **Martin.** 10561.

Nucula donaciformis n. sp. Aarhus, Oligocene. **Harder.** 10469.

Ocenebra n. sp. Java, Obereocän. **Martin.** 10561.

Olivella claytonensis n. sp. California, Eocene. **Dickerson.** 10408.

Oniscia antiquissima n. sp. Java, Obereocän. **Martin.** 10561.

Ostrea nn. spp. California, Eocene. **Dickerson.** 10408.

Ovula martini n. sp. California, Eocene. **Dickerson.** 10408.

Paphia (?) *clarki* n. sp. California, Eocene. **Dickerson.** 10408.

Pecten nn. spp. Oligocene. **Brown and Pilsbry.** 10340.

———— *erslevi* n. sp. Aarhus, Oligocene. **Harder.** 10469.

Petricola millestriata n. sp. Panama, Oligocene. **Brown and Pilsbry.** 10340.

Phacoides nn. spp. California, Eocene. **Dickerson.** 10408.

Pinna barrowsi n. sp. California, Eocene. **Dickerson.** 10408.

———— *luisi* n. sp. California, Eocene. **Waring.** 10739.

- Pitarina martini* n. sp. Oregon, Eocene. **Dickerson.** 10419.
- Platystoma frauscheri* n. sp. Teppner. 10719.
- Pleurobis siliceus* n. sp. Antigua, Oligocene. **Brown and Pilsbry.** 10341.
- Pleurotoma* nn. spp. Java, Obereocän. **Martin.** 10561.
- *vaningeni* n. sp. Panama, Oligocene. **Brown and Pilsbry.** 10340.
- Potamides jogjacartensis* n. sp. Java, Obereocän. **Martin.** 10561.
- Psammobia* (?) *cylindrica* n. sp. California, Eocene. **Dickerson.** 10408.
- Pseudoliva* n. sp. Oregon, Eocene. **Dickerson.** 10410.
- *reticulata* n. sp. California, Eocene. **Waring.** 10739.
- Pyrula micronematica* n. sp. Panama, Oligocene. **Brown and Pilsbry.** 10340.
- Rhinoclavis puruensis* n. sp. Java, Obereocän. **Martin.** 10561.
- Ricinula* nn. spp. Java, Obereocän. **Martin.** 10561.
- Risicula hypographa* n. sp. Panama, Oligocene. **Brown and Pilsbry.** 10340.
- Roxania jogjacartensis* n. sp. Java, Obereocän. **Martin.** 10561.
- Saxidomus* (?) *noblii* n. sp. California, Eocene. **Dickerson.** 10409.
- Scaphander ickei* n. sp. Java, Obereocän. **Martin.** 10561.
- Seraphs* (?) *thompsoni* n. sp. California, Eocene. **Dickerson.** 10408.
- Sigaretus nanggulanensis* n. sp. Java, Obereocän. **Martin.** 10561.
- *gabbi* n. sp. Panama, Oligocene. **Brown and Pilsbry.** 10340.
- Siphonalia clarki* n. sp. Oregon, Eocene. **Dickerson.** 10410.
- *ickei* n. sp. Java, Obereocän. **Martin.** 10561.
- Solarium* nn. spp. Java, Obereocän. **Martin.** 10561.
- Spisula* (?) *arabaei* n. sp. California, Eocene. **Dickerson.** 10408.
- Streptylus* n. sp. Panama, Oligocene. **Brown and Pilsbry.** 10340.
- Strepsidura* nn. spp. Java, Obereocän. **Martin.** 10561.
- Surcula* nn. spp. California, Eocene. **Dickerson.** 10408.
- nn. spp. Java, Obereocän. **Martin.** 10561.
- Tellina* nn. spp. Panama, Oligocene. **Brown and Pilsbry.** 10340.
- nn. spp. California, Eocene. **Dickerson.** 10408.
- Terebellum squamosum* n. sp. Java, Obereocän. **Martin.** 10561.
- Terebra* nn. spp. Java, Obereocän. **Martin.** 10561.
- Thais nehalemensis* n. sp. Oregon, Oligocene. **Anderson and Martin.** 10285.
- Thersites ventricosa* nn. spp. **Savornin.** 10668.
- Tinostoma jogjacartense* n. sp. Java, Obereocän. **Martin.** 10561.
- Tivela weaveri* n. sp. Oregon, Eocene. **Dickerson.** 10410.
- Torinia deningeri* n. sp. Java, Obereocän. **Martin.** 10561.
- Tritonidea ickei.* Java, Obereocän. **Martin.** 10561.
- Tritonium* nn. spp. California, Eocene. **Dickerson.** 10408.
- Turbonilla* nn. spp. Panama, Oligocene. **Brown and Pilsbry.** 10340.
- Turris londerbacki* n. sp. California, Eocene. **Dickerson.** 10408.
- Turritella clarki* n. sp. California, Eocene. **Dickerson.** 10408.
- *macradyspi* n. sp. California, Eocene. **Waring.** 10739.
- Vanikoroia jarana* n. sp. Java, Obereocän. **Martin.** 10561.
- Volutes rotundatus* n. sp. Java, Obereocän. **Martin.** 10561.
- Venericardia planicosta merriami* n. subsp. Oregon, Eocene. **Dickerson.** 10410.
- Volutilithes ickei* n. sp. Java, Obereocän. **Martin.** 10561.
- Valcullella micratesta* n. sp. Panama, Oligocene. **Brown and Pilsbry.** 10340.
- Vulsella woodi.* **Teppner.** 10719.
- Yoldia* nn. spp. California, Eocene. **Dickerson.** 10408.

2231.90 *UPPER CAENOZOIC*
(*MIOCENE, PLIOCENE*).

(GENERAL.

Buwalda. 10353. Tertiary mammal beds of Stewart and Tone valleys in west-central Nevada.

Cosmann et Peyrot. 10396. Conchologie néogénique de l'Aquitaine.

Gignoux. 10447. Les formations marines pliocènes et quaternaires de l'Italie du sud et de la Sicile.

Gudex. 10463. List of fossil Mollusca from Bluecliffs, South Canterbury.

Marshall and Uttley. 10558. Localities for fossils near Oamaru.

Martin. 10560. Miocene Gastropoden von Ost-Borneo.

Menzel. 10568. Über einige Pliocän-Fossilien vom Niederrhein.

Olsson. 10602. Notes on Miocene correlation.

Speight. 10701. Additions to the list of fossils from the Lower Waipara.

Yokoyama. 10776. Two new fossil Cephalopoda from the tertiary of Izumo.

(SPECIAL.

Acanthopupa n. gen. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Agasoma barkerianum clarki n. var. California, Miocene. **English.** 10430.

Amphissa posunculensis n. sp. California, Miocene. **Anderson and Martin.** 10285.

Archaeogopsis n. subgen. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Argobuccinum nn. spp. California, Pliocene. **Martin.** 10559.

———— *dilleri* n. sp. Oregon, Miocene. **Anderson and Martin.** 10285.

Bathytoma condonana n. sp. Oregon, Miocene. **Anderson and Martin.** 10285.

Boretrophon fleenerensis n. sp. California, Pliocene. **Martin.** 10559.

Buccinum saundersi n. sp. California, Pliocene. **Martin.** 10559.

Bulla cantuaënsis n. sp. California, Miocene. **Anderson and Martin.** 10285.

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Bythinella thomasi n. sp. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Calliostoma pacificum n. sp. Oregon, Miocene. **Anderson and Martin.** 10285.

Calyptrea kalinnac n. sp. Victoria, Upper Tertiary. **Chapman and Gabriel.** 10374.

Cancellaria nn. spp. California, Miocene. **Anderson and Martin.** 10285.

———— *elsmerensis* n. sp. California, Pliocene. **English.** 10429.

———— *rotunda* n. sp. Oregon, Miocene. **Anderson and Martin.** 10285.

Cardita lamellosa n. sp. Loire, Miocene moyen. **Dollfus et Dautzenberg.** 10114.

Cardium weaveri n. sp. Oregon, Washington. **Anderson and Martin.** 10285.

Cerithium arnoldi n. sp. California, Miocene. **Anderson and Martin.** 10285.

Chione nn. spp. California, Miocene. **Anderson and Martin.** 10285.

———— nn. spp. California, Pliocene. **English.** 10429.

———— *margaritana* n. sp. California, Neocene. **Anderson and Martin.** 10285.

Chrysodomus nn. spp. California, Pliocene. **Martin.** 10559.

———— *kernensis* n. sp. California, Miocene. **Anderson and Martin.** 10285.

Condylocardia tenuicostae n. sp. Victoria, Upper Tertiary. **Chapman and Gabriel.** 10374.

Conus sulcatus philippinensis n. var. Philippines, Pliocene. **Smith.** 10697.

Diplodontia buwaldana n. sp. California, Miocene. **Anderson and Martin.** 10285.

Donax kenyoniana n. sp. Victoria, Upper Tertiary. **Chapman and Gabriel.** 10374.

———— *triangulata* n. sp. California, Miocene. **Anderson and Martin.** 10285.

Drillia nn. spp. California, Miocene. **Anderson and Martin.** 10285.

———— n. spp. California, Pliocene. **Martin.** 10559.

Epitonium nn. spp. California, Miocene. **Anderson and Martin.** 10285.

Eulima pinguicula n. sp. Victoria, Upper Tertiary. **Chapman and Gabriel.** 10374.

Eulimella nn. spp. California, Miocene. **Anderson and Martin.** 10285.

Ficus rodeoensis n. sp. California, Miocene. **English.** 10430.

Fossurus dalli n. sp. California, Miocene. **Anderson and Martin.** 10285.

Fusinus empirensis n. sp. Oregon, Miocene. **Anderson and Martin.** 10285.

Gyrineum elsmereense n. sp. California, Pliocene. **English.** 10429.

Lacuna carpenteri n. sp. California, Miocene. **Anderson and Martin.** 10285.

Laminifera mattiaca n. nom. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Leda ochsneri n. sp. California, Miocene. **Anderson and Martin.** 10285.

Liotia dennanti n. sp. Victoria, Upper Tertiary. **Chapman and Gabriel.** 10374.

Macra sectoris n. sp. California, Miocene. **Anderson and Martin.** 10285.

Mangilia nn. spp. California, Miocene. **Anderson and Martin.** 10285.

Marginella praeformicula n. sp. Victoria, Upper Tertiary. **Chapman and Gabriel.** 10374.

Melongena californica n. sp. California, Miocene. **Anderson and Martin.** 10285.

Modiolus stalderi n. sp. California, Pliocene. **Martin.** 10559.

Nassa nn. spp. California, Miocene. **Anderson and Martin.** 10285.

———— *moraniana* n. sp. California, Pliocene. **Martin.** 10559.

———— *spiraliscabra* n. sp. Victoria, Upper Tertiary. **Chapman and Gabriel.** 10374.

Niso (?) *antiselli* n. sp. California, Miocene. **Anderson and Martin.** 10285.

Nuculana lecointreae n. sp. Loire, Miocene moyen. **Dollfus et Dautzenberg.** 10414.

Omphalosagda Goldfussi n. var. *depressa*. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Ostrea gryphoides n. var. *cutlackensis* Calcutta. **Newton and Smith.** 10590.

Palaeoglundina n. subgen. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Pecten sancti-ludovici n. sp. California, Neocene. **Anderson and Martin.** 10285.

Pleurotoma dilectoides n. sp. Victoria, Upper Tertiary. **Chapman and Gabriel.** 10374.

Poromya gabbianu n. sp. California, Miocene. **Anderson and Martin.** 10285.

Pseudoleacina n. subgen. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Pyramidella cooperi n. sp. California, Miocene. **Anderson and Martin.** 10285.

Pyramidula bohémica n. sp. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Rissoa nn. spp. Victoria, Upper Tertiary. **Chapman and Gabriel.** 10374.

Semele morani n. sp. California, Miocene. **Anderson and Martin.** 10285.

Siphonalia posoënsis n. sp. California, Miocene. **Anderson and Martin.** 10285.

Strobilops fisheri n. sp. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Strophostomatidae n. fam. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Tapes nn. spp. Miocene, South Russia. **Bogačev.** 10320.

Teinostoma nn. spp. Victoria, Upper Tertiary. **Chapman and Gabriel.** 10374.

Tellina nn. spp. California, Miocene. **Anderson and Martin.** 10285.

Terebra martini n. sp. California, Pliocene. **English.** 10429.

———— *profunda* n. sp. Victoria, Upper Tertiary. **Chapman and Gabriel.** 10374.

Testacella sandbergeri n. sp. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Thais nn. spp. California, Miocene. **Anderson and Martin.** 10285.

Transenella jouquinensis n. sp. California, Miocene. **Anderson and Martin.** 10285.

Tritonofusus nn. spp. California, Pliocene. **Martin.** 10559.

Trophon oregonensis n. sp. Oregon, Miocene. **Anderson and Martin.** 10285.

Turbonilla weeahensis n. sp. Victoria, Upper Tertiary. **Chapman and Gabriel.** 10374.

Turris nn. spp. Oregon, Miocene. **Anderson and Martin.** 10285.

———— nn. spp. California, Pliocene. **English.** 10429.

———— *andaensis* n. sp. Philippines, Miocene or Pliocene. **Smith.** 10697.

Turritella carriacensis n. sp. California, Neocene. **Anderson and Martin.** 10285.

Ventriculidae n. fam. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Ventriculus n. gen. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Vertigo trolli n. sp. Mainz, Landschneckenkalk. **Fischer u. Wenz.** 10432.

Viquesnelia. Turkey, Miocene. **Gude.** 10462B.

Volutopsis eurekaensis n. sp. California, Pliocene. **Martin.** 10559.

Yoldia newcombi n. sp. Washington, Miocene. **Anderson and Martin.** 10285.

———— *temblorensis* n. sp. California, Miocene. **Anderson and Martin.** 10285.

2231.95 PLEISTOCENE AND RECENT.

GENERAL.

Chapman. 10369. Mollusca from the Pleistocene marl of Mowbray Swamp, north-west Tasmania.

Gignoux. 10447. Les formations marines pliocènes et quaternaires de l'Italie du sud et de la Sicile.

Gratacap. 10459. Tertiary fossils on Long Island.

Menzel. 10569. Das Problem der *Anodonta*.

Oldroyd. 10601. A remarkably rich (κ-5109)

pocket of fossil drift from the Pleistocene.

Sampson. 10667. Postpliocene shells of Providence and Lupus, Missouri.

Smith. 10693. Morphologic sequences in the canaliculate *Fulgurs*. [Phylogeny of structures from Oligocene to Recent.]

Vanatta. 10731. [Pleistocene shells from Sierra Nueva, Santo Domingo.]

Wenz. 10741. Ein Schwemmlöss-vorkommen innerhalb der Mosbacher Sande.

———— 10742. Schwemmlöss von Leimen bei Heidelberg.

SPECIAL.

Bathytoma clarkiana n. sp. California, Pleistocene. **Rivers.** 10661.

Dentalium tumidum n. sp. Philippines, Pleistocene or Recent. **Smith.** 10697.

Neritina serratiliniiformis v. [1] n. Schwaben, Diluviale Schotter. **Geyer.** 10446.

Paludina diluviana Kunth. Niederrhein, Interglazial. Krause. 10527.

Partulina dwightii occidentalis n. var. Hawæii, Pleistocene. **Pilsbry.** 10630.

Pomatias salomoni n. sp. Schwaben, Diluviale Schotter. **Geyer.** 10446.

Pomatias scalarinus saueri v. n. Schwaben, Diluviale Schotter. **Geyer.** 10446.

Tapes spp. **Nordmann.** 10598.

Turbinella ilocani n. sp. Philippines, Recent. **Smith.** 10697.

Turris (?) *agusana* n. sp. Philippines, Pleistocene or Recent. **Smith.** 10697.

Unio pachydon Ludwig. **Haas u. Wenz.** 10466.

Vitrinella skimeri n. sp. Massachusetts. **Clapp.** 10381.

2431 ARTHROPODA.

2431.39 GENERAL.

Handlirsch. 10467. Fortschritte auf dem Gebiete der Entomo-Paläontologie.

2431.55 UPPER PALAEOZOIC.

SPECIAL.

Actinoblatta n. gen. et sp. *bucheti*. Nord de la France, Houiller. **Pruvost** 10639.

Climacocerura n. gen. et sp. Nord de la France, Houiller. Provost. 10639.

Etoblattina benenii n. sp. Commeny (Allier), Houiller. Meunier. 10578.

Palaeodischia n. gen. et sp. boulei. Commeny (Allier), Houiller. Meunier. 10576.

Roomeria n. gen. et sp. carbonaria. Commeny (Allier), Houiller. Meunier. 10578.

Stenodictya vasseuri n. sp. Commeny (Allier), Houiller. Meunier. 10577.

2431.85 LOWER CAENOZOIC (EOCENE, OLIGOCENE).

Lühe. 10552. Ameisen des Bernsteins.

2431.90 UPPER CAENOZOIC (MIOCENE, PLIOCENE).

Acanthoderes lengii n. sp. Colorado, Miocene. Wickham. 10747.

Agrilus praepolitus n. sp. Colorado, Miocene. Wickham. 10746.

Alomatia n. gen. et sp. fusca. Colorado, Miocene. Cockerell. 10390.

Amphicrus sublaevis n. sp. Colorado, Miocene. Wickham. 10746.

Anomala nn. spp. Colorado, Miocene. Wickham. 10746.

Aphodius nn. spp. Colorado, Miocene. Wickham. 10746.

—— *inundatus* n. sp. Colorado, Miocene. Wickham. 10747.

Bidessus laminarum n. sp. Colorado, Miocene. Wickham. 10746.

Bruchus nn. spp. Colorado, Miocene. Wickham. 10746.

Euprestis nn. spp. Colorado, Miocene. Wickham. 10746.

Cantharis lithophilus n. sp. Colorado, Miocene. Wickham. 10746.

Chelonomium montanum n. sp. Colorado, Miocene. Wickham. 10746.

Chrysobothris nn. spp. Colorado, Miocene. Wickham. 10746.

Cistula vulcanica n. sp. Colorado, Miocene. Wickham. 10746.

Clytus florissantensis n. sp. Colorado, Miocene. Wickham. 10746.

Coccinella florissantensis n. sp. Colorado, Miocene. Wickham. 10746.

Colaspis nn. spp. Colorado, Miocene. Wickham. 10746.

Collops nn. spp. Colorado, Miocene. Wickham. 10746.

Copidita miocenica n. sp. Colorado, Miocene. Wickham. 10746.

Corphyra calypso n. sp. Colorado, Miocene. Wickham. 10746.

Corticaria nn. spp. Colorado, Miocene. Wickham. 10746.

—— *aeterna* n. sp. Colorado, Miocene. Wickham. 10747.

Cryptocheilus hypogaeus n. sp. Colorado, Miocene. Cockerell. 10390.

Cryptophagus scudderi n. sp. Colorado, Miocene. Wickham. 10746.

Cyphus florissantensis n. sp. Colorado, Miocene. Wickham. 10746.

Diabrotica nn. spp. Colorado, Miocene. Wickham. 10746.

Dicerca eurydice n. sp. Colorado, Miocene. Wickham. 10746.

Elaphidion extinctum n. sp. Colorado, Miocene. Wickham. 10746.

Enoclerus nn. spp. Colorado, Miocene. Wickham. 10746.

Epicauta subneglecta n. sp. Colorado, Miocene. Wickham. 10746.

Ernobius effectus n. sp. Colorado, Miocene. Wickham. 10746.

Eucnemis antiquatus n. sp. Colorado, Miocene. Wickham. 10746.

Gastrallanobium n. gen. et sp. subconfusum. Colorado, Miocene. Wickham. 10747.

Gaurotes striatopunctatus n. sp. Colorado, Miocene. Wickham. 10746.

Gronites n. gen. et sp. stigmatis. Colorado, Miocene. Cockerell. 10392.

Haltica renovata n. sp. Colorado, Miocene. Wickham. 10746.

Hoplia striatipennis n. sp. Colorado, Miocene. Wickham. 10746.

Hydroporus sedimentorum n. sp. Colorado, Miocene. Wickham. 10746.

Hylotropus puncticollis n. sp. Colorado, Miocene. Wickham. 10747.

Hymenorus haydeni n. sp. Colorado, Miocene. Wickham. 10746.

- Isomira aurora* n. sp. Colorado, Miocene. **Wickham.** 10747.
- *florissantensis* n. sp. Colorado, Miocene. **Wickham.** 10746.
- Lema fortior* n. sp. Colorado, Miocene. **Wickham.** 10746.
- *lesquereuxi* n. sp. Colorado, Miocene. **Wickham.** 10747.
- Leptostylus scudleri* n. sp. Colorado, Miocene. **Wickham.** 10746.
- Leptura* nn. spp. Colorado, Miocene. **Wickham.** 10746.
- Ligyrys effetus* n. sp. Colorado, Miocene. **Wickham.** 10746.
- Listrochelus puerilis* n. sp. Colorado, Miocene. **Wickham.** 10746.
- Lithocoryne coloradensis* n. sp. Colorado, Miocene. **Wickham.** 10747.
- Lithomacratia* n. gen. et sp. *mirabilis*. Colorado, Miocene. **Wickham.** 10746.
- Luperodes submonilis* n. sp. Colorado, Miocene. **Wickham.** 10747.
- Melanophila heeri* n. sp. Colorado, Miocene. **Wickham.** 10747.
- Miocaenia* n. gen. et sp. *pectinicornis*. Colorado, Miocene. **Wickham.** 10746.
- Miocyphon* n. gen. et sp. *punctulatus*. Colorado, Miocene. **Wickham.** 10746.
- Miolachnosterna* n. gen. et sp. Colorado, Miocene. **Wickham.** 10746.
- Mordella stygia* n. sp. Colorado, Miocene. **Wickham.** 10746.
- Mordellistena* nn. spp. Colorado, Miocene. **Wickham.** 10747.
- Necrobia divinatoria* n. sp. Colorado, Miocene. **Wickham.** 10746.
- *sibylla* n. sp. Colorado, Miocene. **Wickham.** 10747.
- Odontota americana* n. sp. Colorado, Miocene. **Wickham.** 10746.
- Oligomerus* nn. spp. Colorado, Miocene. **Wickham.** 10746.
- Osmyldia requieta*. Colorado, Miocene. **Cockerell.** 10390.
- Ozyomus nearcticus* n. sp. Colorado, Miocene. **Wickham.** 10746.
- Pactopus americanus* n. sp. Colorado, Miocene. **Wickham.** 10747.
- Palaeochrysa* nn. spp. Colorado, Miocene. **Cockerell.** 10390.
- Palaeosmodicum* n. gen. et sp. *hamiltoni*. Colorado, Miocene. **Wickham.** 10747.
- Palodemera* n. gen. et sp. *crassipes*. Colorado, Miocene. **Wickham.** 10746.
- Phryganea wickhami* n. sp. Colorado, Miocene. **Cockerell.** 10390.
- Phymatodes miocenicus* n. sp. Colorado, Miocene. **Wickham.** 10746.
- Plectrotetraphanes* n. gen. et sp. *hageni*. Colorado, Miocene. **Wickham.** 10746.
- Podabrus* nn. spp. Colorado, Miocene. **Wickham.** 10746.
- Polemius crassicornis* n. sp. Colorado, Miocene. **Wickham.** 10746.
- Prochaetonema* n. gen. et sp. *florissantella*. Colorado, Miocene. **Wickham.** 10746.
- Protacnaeus* n. gen. et sp. *tenuicornis*. Colorado, Miocene. **Wickham.** 10746.
- Proteleates* n. gen. et sp. *centralis*. Colorado, Miocene. **Wickham.** 10747.
- Protipochus* n. gen. et sp. *vandykei*. Colorado, Miocene. **Wickham.** 10746.
- Protolomatia* n. gen. et sp. *antiqua*. Colorado, Miocene. **Cockerell.** 10390.
- Protophthiria* n. gen. et sp. *palpalis*. Colorado, Miocene. **Cockerell.** 10390.
- Protoplatycera* n. gen. et sp. *laticornis*. Colorado, Miocene. **Wickham.** 10746.
- Ptosima silvatica* n. sp. Colorado, Miocene. **Wickham.** 10746.
- Raphidia pulveris* n. sp. Colorado, Miocene. **Cockerell.** 10390.
- Rhagoderidea* n. gen. et sp. *striata*. Colorado, Miocene. **Wickham.** 10746.
- Scaptolenopsis* n. gen. et sp. *wilmattae*. Colorado, Miocene. **Wickham.** 10747.
- Serica cockerelli* n. sp. Colorado, Miocene. **Wickham.** 10747.
- Silpha beutenmuelleri* n. sp. Colorado, Miocene. **Wickham.** 10746.
- Spermophagus pluto* n. sp. Colorado, Miocene. **Wickham.** 10746.
- Stenosphenus pristinus* n. sp. Colorado, Miocene. **Wickham.** 10746.
- Strategus cessatus* n. sp. Colorado, Miocene. **Wickham.** 10746.

Telephorus hesperus n. sp. Colorado. Miocene. **Wickham**. 10746.

Tetraonyx minuscula n. sp. Colorado, Miocene. **Wickham**. 10746.

Tingis florissantensis n. sp. Colorado, Miocene. **Cockerell**. 10390.

Tomoxia inundata n. sp. Colorado, Miocene. **Wickham**. 10746.

Trirhabda nn. spp. Colorado, Miocene. **Wickham**. 10746.

Tritoma diluviana n. sp. Colorado, Miocene. **Wickham**. 10746.

Ulus minutus n. sp. Colorado, Miocene. **Wickham**. 10747.

2631 CRUSTACEA.

2631.50 LOWER PALAEOZOIC.

Bonnema. 10321. *Kloedenella*.

Calymene unicornis n. sp. Ordovician of W. Yunnan. **Reed**. 10650.

Iliaenus caecoides n. sp. Ordovician of W. Yunnan. **Reed**. 10650.

Oxygites yunnanensis n. sp. Ordovician of W. Yunnan. **Reed**. 10650.

2631.55 UPPER PALAEOZOIC.

Beyrichia nassoviensis n. sp. Deutschl., Devon. **Kegel**. 10516.

Eurypterus nebraskensis n. sp. Nebraska, Carboniferous. **Barbour**. 10293.

Kloedenia kayseri n. sp. Deutschl., Devon. **Kegel**. 10516.

2631.65 TRIASSIC.

Euthycarcinus n. gen. et. sp. *kessleri*. Vögesen, Trias. **Handlirsch**. 10468.

2631.70 JURASSIC.

Boehm. 10316. Fauna des Unteren Calloviens und der Coronatenschichten von Neu-Guinea.

2631.75 CRETACEOUS.

GENERAL.

Whitney. 10745. Fauna of the Buda limestone.

SPECIAL.

Graptocarcinus texanus. Texas, Cretaceous. **Whitney**. 10745.

2631.85 LOWER CAENOZOIC (EOCENE OLIGOCENE).

Callianassa scotti n. sp. Panama, Costa Rica, Oligocene. **Brown and Pilsbry**. 10340.

2631.90 UPPER CAENOZOIC (MIOCENE PLIOCENE).

Bairdia australis n. sp. Victoria, Upper Tertiary. **Chapman**. 10371.

Bythocypris tumefacta n. sp. Victoria, Upper Tertiary. **Chapman**. 10371.

Cythere nn. spp. Victoria, Upper Tertiary. **Chapman**. 10371.

Cytherella nn. spp. Victoria, Upper Tertiary. **Chapman**. 10371.

Cytheropteron nn. spp. Victoria, Upper Tertiary. **Chapman**. 10371.

Cytherura nn. spp. Victoria, Upper Tertiary. **Chapman**. 10371.

Krithe eggeri n. sp. Victoria, Upper Tertiary. **Chapman**. 10371.

Scalpellum avinionense n. sp. Vallée du Rhône, Neogène. **Joleaud**. 10504.

———— *subquadratum* n. sp. Victoria, Upper Tertiary. **Chapman**. 10371.

2631.95 PLEISTOCENE AND RECENT.

Chapman. 10369. Mollusca and Ostracoda from the Pleistocene marl of Mowbray Swamp, North-west Tasmania.

2831 XIPHOSURA, EURYPTE- RIDA, TRILOBITA.

2831.45 PALAEOZOIC.

Foerste. 10434. The Rogers Gap fauna of central Kentucky.

2831.50 LOWER PALAEOZOIC. GENERAL.

Shand. 10681. On the occurrence of the Brazilian Trilobite *Pennaia* in the Bokkeveld Beds.

SPECIAL.

Acidaspis kashmirica n. sp. Kashmir, Silurian. **Reed**. 10650a.

Calvinella n. gen. et spp. **Walcott**. 10736.

Calymene. Kashmir, Silurian. **Reed**. 10650A.

Dikelocephalus nn. spp. U.S.A., Cambrian. **Walcott**. 10736.

Ilacenus macallumi. Kashmir, Silurian. **Reed**. 10650A.

Osceolia n. gen. **Walcott**. 10736.

Paradoxides harvardi n. sp. Massachusetts, Cambrian. **Raymond**. 10647.

Saukia n. gen. et spp. U.S.A., Cambrian. **Walcott**. 10736.

Tsinania n. gen. Eastern Asia, Cambrian. **Walcott**. 10737.

2831.55 UPPER PALAEOZOIC.

GENERAL.

Clarke. 10387. Illustrations of the Devonian fossils of southern Brazil and the Falkland islands.

Grabau. 10456. Fauna of the Dundee limestone of Southern Michigan.

Richter. 10658. Das Uebergreifen der pelagischen Trilobitengattungen *Tropidocoryphe* und *Thysanopeltis* in das normale Rheinische Mitteldevon der Eifel (und Belgiens). 10659 Hypostom und einige Arten der Gattung *Cyphaspis*.

SPECIAL.

Cyphaeus nn. spp. Deutschl., Devon. **Kegel**. 10516.

Cyphaspis nn. spp. Devon. **Richter**. 10659.

Homalonotus vanuxemi-major perccensis var. nn. Gaspé, Devonian. **Clarke**. 10386.

Proetus conicus n. sp. Michigan, Devonian. **Grabau**. 10456.

5231 VERTEBRATA.

5231.39 GENERAL.

Broom. 10331. On the origin of the cheiropterygium.

Lucas. 10551. Animals of the past : An account of some of the creatures of the ancient world.

5231.55 UPPER PALAEOZOIC.

Twenhofel 10727. A new locality and horizon for Pennsylvanian vertebrates. [Lawrence shales, Kansas.]

5231.75 CRETACEOUS.

Sternberg. 10708. Notes on the fossil vertebrates collected on the Cope expedition to the Judith River and Cow Island beds, Montana, in 1876.

Stromer. 10716. Ergebnisse der Forschungsreisen Prof. E. Stromers in den Wüsten Ägyptens. II Wirbeltier-Reste der Baharije-Stufe (unterstes Cenoman).

5231.85 LOWER CAENOZOIC (EOCENE, OLIGOCENE).

Peale. 10614. On the stratigraphic position and age of the Judith river formation. [Formerly supposed to be Cretaceous.]

5231.90 UPPER CAENOZOIC.

Stromer. 10714. Wirbeltierreste aus dem Mittelpliocän des Natrontales (Ägypten).

5231.95 PLEISTOCENE AND RECENT.

Stoner. 10712. Mode of accumulation of the Pleistocene bone deposits of Rancho la Brea.

5431 PISCES.

5431.55 UPPER PALAEOZOIC.

Ctenacanthus sp. France, Calcaire dévonien. **Bézier**. 10313.

GENERAL.

Reis. 10655. Über permische Pleuracanthidenreste.

SPECIAL.

Machaeracanthus kayseri n. sp. Volkersberg, Devon. **Kegel**. 10516.

5431.60 MESOZOIC (GENERAL).

GENERAL.

Mann u. Hennig. 10557. Mesozoische Ablagerungen in Adamaua, Kamerun.

SPECIAL.

Lepidotus manni sp. n. Kamerun, Mesozoicum. **Mann u. Hennig**. 10557.

5431.65 TRIASSIC.

GENERAL.

Eastman. 10423. Triassic fishes belonging to the families *Cutopteridae* and *Semionotidae*.

SPECIAL.

Strophodus shastensis n. sp. California, Triassic. Bryant, 10348.

5431.75 CRETACEOUS.

GENERAL.

Cockerell. 10394. Some fossil fish scales.

Priem. 10637. Sur les poissons fossiles des phosphates remaniés du Rethélois.

SPECIAL.

Ceratodus (Metaceratodus) wollastoni n. subgen. and sp. New South Wales, Cretaceous. Chapman, 10370.

Hoplopteryx lippei. Central-Russia. Peetz, 10616.

5431.85 LOWER CAENOZOIC (EOCENE) OLIGOCENE.

GENERAL.

Cockerell. 10394. Some fossil fish scales.

SPECIAL.

Otolithus. Cotentin et Bretagne, Eocene. Priem. 10636.

5431.90 UPPER CAENOZOIC (MIOCENE, PLIOCENE).

Cockerell. 10394. Some fossil fish scales.

5631 REPTILIA AND BATRACHIA.

5631.39 GENERAL.

Broom. 10332. On evidence of a mammal-like dental succession in the cynodont reptiles.

——— 10333. On the squamosal and related bones in the mosasaurs and lizards.

Gilmore. 10450. Osteology of the armoured Dinosauria in the United States National Museum, with special reference to the genus *Stegosaurus*.

Huene. 10485. Das natürliche System der Saurischia.

——— 10488. Geschichte der Archosaurier.

Williston. 10763. Water reptiles of the past and present.

5631.55 UPPER PALAEOZOIC.

GENERAL.

Broom. 10329. On the relationship of the South African Permian reptiles to those of Russia.

——— 10336. Studies on the Permian temnospondylous stegocephalians of North America.

——— 10337. Some points in the structure of the diacetyl skull.

——— 10339. A further comparison of the South African dinocerphalians with the American pelycosaur.

Case, Williston and Mehl. 10364. Permo-Carboniferous vertebrates from New Mexico.

Huene. 10484. The skull elements of the Permian Tetrapoda in the American Museum of natural history, New York. [Transl.]

Moodie. 10582. The Mazon creek, Illinois, Shales and their amphibian fauna.

Stromer. 10715. Die ersten fossilen Reptilreste aus Deutsch-Südwestafrika und ihre geologische Bedeutung.

Williston. 10760. Restorations of some American Permocarboniferous amphibians and reptiles.

——— 10762. American Permo-carboniferous reptiles and amphibians.

SPECIAL.

Aracoscelis gracilis. Williston. 10758.

Arribasaurus n. gen. New Mexico, Permian. Williston. 10761.

Aspidosaurus novomexicanus. New Mexico, Permo-Carboniferous. Case and Williston. 10361.

Bolosauridae. Broom. 10334.

Bolosaurus major n. sp. Texas, Permian. Broom. 10334.

Broiliellus n. gen. et sp. *texensis*. Texas, Permian. Williston. 10759.

Casea broilii. Williston. 10758.

Chemoscopus n. gen. et sp. *villieri*. New Mexico, Permo-Carboniferous. Mehl. 10566.

Diasparactus zenos. New Mexico, Permo-Carboniferous. Case and Williston. 10362.

Dicynodon n. spp. **Broom.** 10330.

Diictodon n. gen et sp. *galeops*. Cape Colony. **Broom.** 10330.

Edaphosaurus spp. New Mexico, Permo-Carboniferous. **Williston** and **Case.** 10766.

— *cruciger*. **Case.** 10360.

Emydops longiceps n. sp. Cape Colony. **Broom.** 10330.

Emydorhynchus n. gen. et sp. *palustris*. Cape Colony. **Broom.** 10330.

Eocyclops n. gen. et sp. *longus*. Cape Colony. **Broom.** 10330.

Eryops anatinus n. sp. North America, Permian. **Broom.** 10335.

Homalotus gigas. Linksrhein, Unterdevon. **Dahmer.** 10401.

Ophiacodon mirus. New Mexico, Permo-Carboniferous. **Williston** and **Case.** 10764.

Ophiocercus n. gen. et sp. *casci*. Texas, Permian. **Broom.** 10334.

Ostodolepis n. gen. et sp. *brevispinatus*. **Williston.** 10757.

Pantylus. **Broom.** 10335.

— *cordatus*. **Mehl.** 10563.

Pelion lyelli. Ohio, Carboniferous. **Moodie.** 10583.

Ricnodon cf. *dispersus*. Böhmen, Obercarbon. **Hummel.** 10492.

Scoliomus n. gen. et sp. *puercensis*. New Mexico, Permo-Carboniferous. **Williston** and **Case.** 10765.

Sphenacodon ferox. New Mexico, Permo-Carboniferous. **Case** and **Williston.** 10363.

Trichasaurus n. nom. **Williston.** 10757.

Trimerorhachis medius n. sp. North America, Permian. **Broom.** 10335.

Varanosaurus acutirostris. **Broili.** 10327.

5631.60 MESOZOIC (GENERAL).

Hay. 10473. On the manner of locomotion of the Dinosaurs, especially *Diplodocus*, with remarks on the origin of the birds.

Huene. 10489. Schädel einiger Pterosaurier.

— 10491. Zweistämmigkeit

der Dinosaurier, mit Beiträgen zur Kenntnis einiger Schädel.

5631.65 TRIASSIC.

(GENERAL).

Drevermann. 10421. Schädel von *Trematosaurus*.

Fraas. 10438. Die neuesten Dinosaurierfunde in der schwäbischen Trias.

Huene. 10486. Neue Beschreibung von *Ctenosaurus* aus dem Göttinger Buntsandstein.

— 10487. Coelurosaurier-Reste aus dem unteren Muschelkalk.

— 10490. Nachträge zu meinen früheren Beschreibungen triassischer Saurischia.

(SPECIAL).

Angistorhinus n. gen. et sp. *grandis*. Wyoming, Triassic. **Mehl.** 10565.

Plateosaurus trossingensis n. sp. Schwaben, Trias. **Fraas.** 10438.

Procompsognathus n. gen et sp. *triassicus*. Schwaben, Trias. **Fraas.** 10438.

Thecodontosaurus diagnosticus n. sp. Schwaben, Trias. **Fraas.** 10438.

5631.70 JURASSIC.

(GENERAL).

Brandes. 10324. Plesiosauriden aus dem Unteren Lias von Halberstadt.

(SPECIAL).

Camarasaurus. **Mook.** 10584.

Eobatrachus agilis. Wyoming, Jurassic. **Moodie.** 10583.

Homeosaurus digitatellus n. sp. Bavaria, Jurassic. **Grier.** 10461.

Muraenosaurus ? *reedii* n. sp. Wyoming, Jurassic. **Mehl.** 10564.

Stegosaurus longispinus n. sp. Wyoming, Jurassic. **Gilmore.** 10450.

Tricleidus ? *laramiensis*. Wyoming, Jurassic. **Mehl.** 10564.

5631.75 CRETACEOUS.

(GENERAL).

Ballerstedt. 10291. Bemerkungen zu den älteren Berichten über Saurierfahrten im Wealdensandstein und Behandlung einer neuen, aus 5 Fussabdrücken bestehenden Spur.

Gilmore. 10448. A second occurrence of Ichthyosaurian remains in the Benton Cretaceous.

Henning. 10476. Über neue Saurierfunde aus Canada und deren geologische Position.

Nopsa. 10595. Die Lebensbedingungen der obercretacischen Dinosaurier Siebenbürgens.

————— 10596. Vorkommen der Dinosaurier in Siebenbürgen.

SPECIAL.

Anchiceratops n. gen. et sp. *ornatus*. Alberta, Cretaceous. **Brown.** 10345.

Brachyceratops n. gen. et sp. *montanensis*. Montana, Cretaceous. **Gilmore.** 10449.

Camarasaurus. **Mook.** 10585.

Chelonia hoffmanni Gray. **Hoffmans.** 10478.

Corythosaurus n. gen. et sp. *casuarius*. Alberta, Cretaceous. **Brown.** 10347.

Elasmosaurus. Dongebiet. **Dombrovskij.** 10415.

Hypacrosaurus n. gen. et sp. *altispinus*. Alberta, Cretaceous. **Brown.** 10343.

Leurospondylus n. gen. et sp. *ultimus*. Alberta, Cretaceous. **Brown.** 10344.

Monoclonius flexus n. sp. Alberta, Cretaceous. **Brown.** 10346.

Saurolophus osborni. Alberta, Cretaceous. **Brown.** 10342.

5631.90 UPPER CAENOZOIC
(MIOCENE, PLIOCENE).

GENERAL.

Teppner. 10720. Phylogenetische Entwicklungen der „protringuiden Trionychiden“ des Tertiärs.

SPECIAL.

Bufo sp. Kansas, Pliocene. **Moodie.** 10583.

Trionyx petersi n. var. *trifalensis*. Steiermark, Miocän. **Teppner.** 10720.

————— *pliocenicus*. **Teppner.** 10718.

5831 AVES.

5831.85 LOWER CAENOZOIC
(EOCENE, OLIGOCENE).

Aquila nn. spp. Wyoming, Eocene. **Shufeldt.** 10681.

Diatryma ajax n. sp. Wyoming, Eocene. **Shufeldt.** 10684.

Palaeophasianus n. gen. Wyoming, Eocene. **Shufeldt.** 10684.

5831.90 UPPER CAENOZOIC
(PLEISTOCENE AND RECENT.)

Proictinia n. gen. et sp. *gilmorei*. Kansas, Pliocene. **Shufeldt.** 10684.

5831.95 PLEISTOCENE AND
RECENT.

Miller. 10581. Bird remains from the Pleistocene of San Pedro, California.

6031 MAMMALIA.

6031.39 GENERAL.

Abel. 10280. Die vorzeitlichen Säugetiere.

Bogačev. 10320. Musée du Don à Novočerkassk. (Russie.)

Bölsche. 10318. Tierwanderungen in der Urwelt.

Broom. 10328. On the origin of the mammalian digital formula.

Lohr. 10549. Die Anpassung an die Rhizophagie im Marsupialierstamme.

6031.60 MESOZOIC (GENERAL).

Broom. 10338. On the structure and affinities of the Multituberculata.

6031.70 JURASSIC.

Amphicyon shahbuzi n. sp. **Pilgrim.** 10628.

Listriodon affinis. **Pilgrim.** 10626.

6031.80 CAENOZOIC (TERTIARY)
(GENERAL).

GENERAL.

Buwalda. 10353. Tertiary mammal beds of Stewart and Ione valleys in west-central Nevada.

Matthew. 10562. Time ratios in the evolution of mammalian phyla. A contribution to the problem of the age of the earth.

Osborn. 10609. Recent results in the phylogeny of the titanotheres.

————— 10610. New methods of restoring *Eotitanops* and *Brontotherium*.

SPECIAL.

Circotherium n. gen. India, Pliocene.
Holland and Peterson. 10481.

Macrotheriinae n. subfam. Holland
and Peterson. 10481.

Moropodinae n. subfam. Holland
and Peterson. 10481.

Moropus n. spp. Miocene. Holland
and Peterson. 10481.

Schizotheriinae n. subfam. Holland
and Peterson. 10481.

6031.85 LOWER CAENOZOIC
EOCENE, OLIGOCENE.

GENERAL.

Dareste de la Chavanne. 10402.
Sur l'Oligocène de la vallée de Biesbre
(Allier).

Granger. 10457. On the names of
Lower Eocene faunal horizons of
Wyoming and New Mexico.

SPECIAL.

Bathyopsis fissidens skull. Wyoming,
Eocene. Osborn. 10608.

Bunophorus n. gen. Wyoming,
Eocene. Sinclair. 10686.

Diacodexis n. spp. Wyoming, Eocene.
Sinclair. 10686.

Diploceras n. gen et sp. osborni.
Utah, Eocene. Peterson. 10619.

Dolichorhinus longiceps (?). Peterson.
10622.

Eomoropus n. gen. Wyoming, Eocene.
Osborn. 10606.

Eotitanops n. spp. Wyoming,
Eocene. Osborn. 10607.

Eotitanotherium n. nom. Peterson.
10624.

Halitherium schinzi Kaup. Oort,
van. 10603.

Helohyus milleri n. sp. Wyoming,
Eocene. Sinclair. 10686.

Heterotitanops n. gen. et sp. Utah,
Eocene. Peterson. 10620.

Lambdaotherium priscum. Wyoming,
Eocene. Osborn. 10607.

Lophiohyus n. gen. et sp. alticeps.
Wyoming, Eocene. Sinclair. 10686.

Sarcolemur. Wyoming, Eocene.
Sinclair. 10686.

Wasatchia n. gen. et spp. Wyoming,
Eocene. Sinclair. 10686.

6031.90 UPPER CAENOZOIC
(MIOCENE, PLIOCENE).

GENERAL.

Branca. 10323. Bisherige Ergebnisse
der Untersuchung der von
Dr. Reck in der Serengeti-Steppe,
Deutsch-Ostafrika, ausgegrabenen
Reste von Säugetieren.

Buwalda. 10353. Tertiary mammal
beds of Stewart and Ione valleys in
west-central Nevada.

Gignoux. 10447. Les formations
marines pliocènes et quaternaires de
l'Italie du sud et de la Sicile.

Merriam. 10573. The occurrence of
Tertiary mammalian remains in north-
eastern Nevada.

Vasseur. 10733. Nouvelles décou-
vertes paléontologiques dans l'Aqui-
tanien supérieur des environs de Lau-
gnac (Lot-et-Garonne).

SPECIAL.

Aceratherium. Odessa. Chomenko.
10379.

Cervavitus tarakliensis n. gen. et sp.
South Russia, Miocene. Chomenko.
10378.

Cervocerus novorossiae n. gen. et sp.
South Russia, Miocene. Chomenko.
10378.

Damacerus bessarabiae n. gen. et sp.
South Russia, Miocene. Chomenko.
10378.

Delphinavus n. gen. et sp. California,
Miocene. Lull. 10553.

Desmostylus japonicus. Tokunaga
and Iwasaki. 10722.

Dissopsalis. Lower Siwaliks. Pil-
grim. 10628.

Elephas planifrons. Niederöster-
reich. Schlesinger. 10670.

Eoanthropus dawsoni. Piltdown.
Rehlen. 10653.

Felsinotherium serresi. Montpellier,
Miocene. Depéret. 10406.

Indarctos salmantanus n. gen and sp.
Middle Siwaliks. Pilgrim. 10625,
10627.

Mastodon nn. spp. Siwaliks. **Pilgrim.** 10625.

Paramachoerodus n. gen. **Pilgrim.** 10625.

Procobus n. gen et spp. South Russia, Miocene. **Chomenko.** 10378.

Progenetta n. gen. et sp. *proava*. Siwaliks. **Pilgrim.** 10625.

Proleptobos birmanicus n. gen and sp. Siwaliks. **Pilgrim.** 10625.

Promerycochoerus spp. **Peterson.** 10623.

Sivaelurus n. gen. et sp. *chinjiensis*. **Pilgrim.** 10625.

Tetraelodon (?) sp. Miocene, Nevada. **Buwalda.** 10352.

Tetraelodon nn. spp. **Pilgrim.** 10625.

Tragocerus n. sp. South Russia, Miocene. **Chomenko.** 10378.

6031.95 PLEISTOCENE AND RECENT.

GENERAL.

Abel. 10278. Neue Rekonstruktion des Mammut nach den Zeichnungen des Eiszeitmenschen.

Aubert. 10289. La marmotte bobac de Beynes (Seine-et-Oise).

Bayer. 10296. Der Mensch in der Eiszeit.

Birkner. 10315. Der angeblich diluviale Menschentfund in der Oldoway-Schlucht in Deutsch-Ostafrika.

Bonnet. 10322. Diluviale Menschenfunde in Obercassel bei Bonn. III. Die Skelete.

Buwalda. Tertiary mammal beds of Stewart and Lone valleys in west-central Nevada.

Carle-Weissen. 10357. Les ossements d'un *Archacolonur* et les caractères du volcan Iatsifotra dans lequel il a été trouvé.

Commont. 10395. Remarques sur les éléphants quaternaires de Saint-Acheul et des Moutières.

Eaton. 10424. Report on the remains of man and of lower animals from the vicinity of Cuzco, Peru.

————— 10425. Vertebrate fossils from Ayusbamba, Peru.

Forsyth. 10435. La faune des Mammifères quaternaires de la Corse et de la Sardaigne.

Gautrelet et Neuville. 10444. Le sang de Mammouth.

Gignoux. 10447. Les formations marines pliocènes et quaternaires de l'Italie du sud et de la Sicile.

Gosselet. 10455. Sur une dent d'*Elephas primigenius* trouvée à Malhove et sur des silex contenus dans l'argile des Flandres à Watten.

Heller. 10475. Zur mikroskopischen Anatomie der ältesten Säugetier- und Menschenhaut.

Joleaud. 10507. Sur l'âge des éléphants quaternaires d'Algérie.

Korvenkontio. 10524. Ein Mammutzahn-Fund in Helsingfors.

Kukuk. 10535. Der Fund eines Moschusochsenschädels im Diluvium des Emschertales.

Lory. 10550. L'existence de la Marmotte au Vercors à l'époque quaternaire.

Matthew. 10562. Time ratios in the evolution of mammalian phyla. A contribution to the problem of the age of the earth.

Menzel. 10570. Die paläontologischen Grundlagen für die Chronologie des Diluvialmenschen.

Merriam. 10574. Discovery of human remains in an asphalt deposit at Rancho La Brea.

Neuville et Gautrelet. 10588. Observations faites sur le sang du Mammouth offert au Muséum par le comte Stenbock-Fermor.

Osborn. 10611. Restoration of the world series of elephants and mastodons.

Piraud. 10631. La présence des Marmottes dans le Vercors.

Reck. 10648. Fund eines fossilen Menschen skelets aus Zentralafrika.

————— 10649. Fossile Tier- und Menschenfunde aus Oldoway in Zentralafrika.

Schwalbe. 10675. Kritische Besprechung von Boulés Werk: „L'homme fossile de la Chapelle-aux-Saints“ mit eigenen Untersuchungen.

Smith. 10691. A review of the mammalian remains from the superficial deposits in the vicinity of Onondaga lake, New York.

Stefanescu. 10703. Sur l'origine des lames cunéiformes des molaires d'éléphant.

Stoller. 10711. Spuren des diluvialen Menschen in der Lüneburger Heide.

Trouessart. 10725. Le cheval existait-il en Amérique à l'époque de la découverte du Nouveau Continent ?

Verworn. 10734. Diluviale Menschenfunde in Obercassel bei Bonn. I Fundbericht.

Wahnschaffe. 10735. Kritische Bemerkungen zum Interglazial II und Spätglazial Norddeutschlands. Mit besonderer Berücksichtigung der diluvialen Säugetierfauna.

Wieggers. 10749. Prähistorische Untersuchung einiger deutscher Diluvialfundstätten.

SPECIAL.

Capra nn. spp. Hundsheim, Diluv. **Freudenberg.** 10442.

Castoroides ohioensis. New York, Quaternary. **Smith.** 10692.

Cervus algericus. **Joleaud.** 10506.

——— *elaphus.* Montfort-sur-Risle (Eure). **Fortin.** 10436.

——— *pachygenia.* **Joleaud.** 10565.

Elephas antiquus Falc. River Waal near Nymegen. **Rutten.** 10664.

——— *planifrons.* Niederösterreich. **Schlesinger.** 10670.

Eoanthropus dawsoni. Piltown. **Rehlen.** 10653.

Hemitragus bonali n. sp. Dordogne, Quaternaire. **Harlé et Stehlin.** 10472.

Homo primigenius. Weimar. **Schwalbe.** 10674.

Lagomys. Dordogne. **Harlé.** 10471.

Machairodus. Villeneuve-sur-Lot. **Harlé.** 10470.

Mammot americanum. Connecticut, Pleistocene. **Schuchert.** 10672.

Myiodon sp. California, Pleistocene. **Stock.** 10710.

——— *harlani.* California, Pleistocene. **Stock.** 10709.

Ovis toulai n. sp. Hundsheim, Diluv. **Freudenberg.** 10442.

Platigonus leptorhinus. **Peterson.** 10621.

Rhinoceros etruscus n. subsp. *heidelbergensis.* Deutschl., Diluv. **Freudenberg.** 10442.

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0431 PROTOZOA.

CRYPTOZOON *australicum*. Howchin.
10483.

— *tessellatum*. Howchin. 10483.

NUMMULITES *yawensis*. Cotter.
10398.

SCHELLWIENIA *convoluta*. Meyer.
10579.

— *peruana*. Meyer. 10579.

0631 PORIFERA.

CHENENDOPORA (?) *major*. Smith.
10697.

0831 COELENTERATA.

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10376, 77.

— *suborbicularis* n. mut. *volaicus*.
Charlesworth. 10376, 77.

AMPLEXUS *frechi*. Charlesworth.
10376, 77.

ASTRAEOPORA *perexigua*. Oppenheim.
10604.

BARYSMILIA *montecchiana*. Kranz.
10526.

CALAMOPHYLLIA *trinitensis*. Kranz.
10526.

CAROPHYLLIA (?) *laoagana*. Smith.
10697.

CLATHRODICTYON *carnicum*. Charles-
worth. 10376.

COLUMNARIA *alveolata interventa* n.
var. Foerste. 10434.

— *symbiotica*. Charlesworth.
10376.

CYATHAXONIA *girtyi*. Haack. 10465.

CYATHOPHYLLOIDES *symbioticum*.
Charlesworth. 10377.

CYATHOPHYLLUM *alpinum*. Charles-
worth. 10376, 77.

— ex aff. *dianthus*. Charlesworth.
10376, 77.

— *syringoporoides*. Charlesworth.
10377.

— *vermiculare* n. mut. Charles-
worth. 10377.

— *volaicum*. Charlesworth.
10376, 77.

CYSTIPHYLLUM *intermedium* n. var.
densum. Charlesworth. 10376, 77.

ENDOPHYLLUM *carnicum*. Charles-
worth. 10376, 77.

FAVOSITES *praecursor*. Charlesworth.
10377.

— *proasteriscus*. Charlesworth. 10376,
77.

— *reticulatus* n. mut. *praecursor*.
Charlesworth. 10376, 77.

GLYPTOGRAPTUS *sacculifer*. Dollé.
10413.

HELIOLITES *confinensis*. Charles-
worth. 10376, 77.

MEDUSINA *walcolti*. Barbour. 10292.

MONTLIVAUTIA *bulacana*. Smith.
10697.

— *cortada*. Smith. 10697.

— *robusta*. Smith. 10697.

ODONTOCYATHUS *coloradus*. Smith.
10697.

PATTALOPHYLLIA (?) *bonita*. Smith.
10697.

PETRAIA *celloniensis*. Charlesworth.
10377.

— *confinensis*. Charlesworth. 10376.

PTYCHOCYATHUS (?) *incognitus*. Smith.
10697.

- RASTRITES reyi*. Dollé. 10413
SIPHONOPHRENTIS n. gen. O'Connell.
 10600.
STRIATOPORA volaica. Charlesworth.
 10376, 77.
STROMATOPORA celloniensis. Charles-
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STROMATOPORELLA volaica. Charles-
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SYRINGOPORA alpina. Charlesworth.
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THAMNASTRAEA irradians n. var.
cingulata. Kranz. 10526.
THECIA swinderenana n. mut. *de-*
vonica. Charlesworth. 10376, 77.
ZAPHRENTIS alpina. Charlesworth.
 10376, 77.

1031 ECHINODERMATA.

- AMPHIOPA boulei*. Cottreau. 10399.
ANTEDON cava. Nielsen. 10592.
 — *danica*. Nielsen. 10592.
 — *granulata*. Nielsen. 10592.
 — *plana*. Nielsen. 10592.
 — *semiglobularis*. Nielsen. 10592.
 — *stevensis*. Nielsen. 10592.
ASTRODAPSIS peltoides. Anderson
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ATELECRINUS faxensis. Nielsen.
 10592.
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 — *curvatus*. Nielsen. 10592.
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CACTOCRINUS baccatus. Wood.
 10770.
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 10650.
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 10517.
 — *deserti*. Kew. 10517.
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 worth. 10375.
ECHINOLAMPAS tagliaferroi. Cottreau.
 10399.

- ECHINONEUS cyclostomus* n. var. *haugi*.
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ECHINOSPHERA sinensis. Reed.
 10650.
ENCOPE tenuis. Kew. 10517.
EUPATAGUS mooreanus. Pilsbry. 10629.
HELIOCRINUS subovalis. Reed. 10650.
HEXACRINUS frechi. Charlesworth.
 10375.
HIPPONOE californica. Kew. 10517.
HOMOCRINIDAE n. fam. Kirk. 10520.
INFULASTER tuberculatus. Valette.
 10730.
LASIOCRINUS n. gen. Kirk. 10520.
LICHENOCRINUS subaequalis. Foerste.
 10434.
MEGISTOCRINUS devonicus. * Charles-
 worth. 10375.
MELOCRINUS prostellaris Frech mscr.
 Charlesworth. 10375.
NYMPHAEOLASTUS n. gen. Peetz.
 10615.
 — *miljukovi*. Peetz. 10615.
OHIOCRINUS exilis. Foerste. 10434.
OVOCYSTIS mansuyi. Reed. 10650.
PENTACRINUS campanularis. Nielsen.
 10592.
 — *convexus*. Nielsen. 10592.
 — *crassus*. Nielsen. 10592.
 — *fionicus*. Nielsen. 10592.
 — *kagstrupianus*. Nielsen. 10592.
 — *longus*. Nielsen. 10592.
 — *miliaris*. Nielsen. 10592.
 — *obsoletus*. Nielsen. 10592.
 — *paucicirrhus*. Nielsen. 10592.
 — *rejstrupianus*. Nielsen. 10592.
RHIPIDOCRINUS alpinus. Charlesworth.
 10375.
 — *praecursor* Frech mscr. Charles-
 worth. 10375.
RHIZOCRINUS dubius. Nielsen. 10592.
SCHIZASTER gennevauri. Cottreau.
 10399.
SINOCYSTIS loczyi. Reed. 10650.
 — *piroides*. Reed. 10650.
 — *yunnanensis*. Reed. 10650.
SPHAERONIS shihtienensis. Reed.
 10650.

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BRYOZOA.

- ACROPORIDAE n. fam. Canu. 10355.
 ARGIOPE *pindborgii*. Nielsen. 10593.
 — *posseltii*. Nielsen. 10593.
 — *ravnii*. Nielsen. 10593.
 ATHYRIS *caeraesanoides*. Assmann. 10288.
 BEISSELINA n. gen. Canu. 10355.
 BERENICEA *amphora*. Canu. 10355.
 — *edwardsi* n. nom. Canu. 10355.
 — *scotinula* n. var. *minima*. Canu. 10355.
 CAMAROPHORIA *thevenini*. Kozłowski. 10525.
 CHILOTRYPA *peruana*. Meyer. 10579.
 COSCINOPEURIDA n. fam. Canu. 10355.
 CRANIA *faxensis*. Nielsen. 10593.
 — *rosenbergii*. Nielsen. 10593.
 — *tubulosa*. Nielsen. 10593.
 DERBYIA *parasitica*. Kozłowski. 10525.
 DITAXIPORA *lutecciana*. Canu. 10356.
 LEIORHYNCHUS *kielcensis*. Sobolev. 10699.
 MICROPORA *magnipora*. Canu. 10356.
 MONOPOLA *asymmetrica*. Canu. 10356.
 MUCRONELLA *longicella*. Canu. 10356.
 ORTHIS *fuchsii*. Assmann. 10288.
 PETRALIA *convexa*. Canu. 10356.
 — *immersa*. Canu. 10356.
 — *micronata*. Canu. 10356.
 PROBOSCINA *lesurensis*. Canu. 10355.
 PRODUCTUS *boulei*. Kozłowski. 10525.
 — *cristato-tuberculatus*. Kozłowski. 10525.
 — *orbigny* n. var. *major*. Kozłowski. 10525.
 QUADRICELLARIA *ventricosa*. Canu. 10356.
 RHENORENSSELAERIA n. subg. Kegel. 10516.
 RHIPIDOMELLA *variabilis*. Grabau. 10456.
 SCHIZOPORELLA *subsinuosa*. Canu. 10356.

- SMITTIA *saccoi*. Canu. 10355.
 SPIRIFER *bischofi* n. var. *rhénana*. Kegel. 10516.
 — *densbergensis*. Assmann. 10288.
 — *latecostatus*. Assmann. 10288.
 — *pirssonae*. Pirsson & Schuchert. 10632.
 — *scutiformis*. Assmann. 10298.
 STROPHEODONTA *alpenensis*. Grabau. 10456.
 — *biplana*. Quiring. 10642.
 — *dundeensis*. Grabau. 10456.
 — *sedgwicki* n. var. *rudis*. Kegel. 10516.
 STROPHOMENA *subcircularis*. Assmann. 10288.
 TEREBRATULA *cincta*. Nielsen. 10593.
 — *danicum*. Nielsen. 10593.
 THECIDIUM *grönwallii*. Nielsen. 10593.
 VINELLOIDEA *crussolensis*. Canu. 10355.

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- ACANTHOPUFA n. gen. Wenz. 10432.
 ACMAEA *martinezensis*. Dickerson. 10408.
 ACROCHORDICERAS *alternans*. Smith. 10695.
 — *holtzense*. Smith. 10695.
 — *inyoense*. Smith. 10695.
 ADMETE *clatskaniensis*. Anderson & Martin. 10285.
 AGASOMA *acuminatum*. Anderson & Martin. 10285.
 — *barkerianum clarki* n. var. English. 10430.
 — *columbianum*. Anderson & Martin. 10205.
 — *oregonense*. Anderson & Martin. 10285.
 — *yaquinanum*. Anderson & Martin. 10285.
 AMAUROPSIS *andersoni*. Dickerson. 10410.
 — *martinezensis*. Dickerson. 10408.
 — *umpquaensis*. Dickerson. 10410.
 AMPHISSA *posunculensis*. Anderson & Martin. 10285.

- AMPULLINA boettgeri*. Martin. 10561.
 — *ickei*. Martin. 10561.
ANATINA negrei. Cossmann. 10397.
ANCHURA englishi. Dickerson. 10408.
 — *gabbi*. Dickerson. 10408.
ANCILLA boettgeri. Martin. 10561.
 — *ickei*. Martin. 10561.
 — *jogjacartensis*. Martin. 10561.
 — *nonna*. Martin. 10561.
 — *puruensis*. Martin. 10561.
 — *rasa*. Martin. 10561.
 — *songoënsis*. Martin. 10561.
ANOMIA geniculata. Whitney. 10745.
ARCA dalli. Brown & Pilsbry. 10340.
ARCESTES hartzelli. Smith. 10695.
ARCHAEGOPIS n. subgen. Wenz. 10432.
ARGORUCCINUM arnoldi. Martin. 10559.
 — *dilleri*. Anderson & Martin. 10285.
 — *scotiaensis*. Martin. 10559.
ASTARTE hundesiana. Spitz. 10702.
ASTHENOTOMA elberti. Martin. 10561.
 — *tobleri*. Martin. 10561.
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 — *clavatus*. Smith. 10695.
 — *elegans*. Smith. 10695.
 — *solidus*. Smith. 10695.
AVICULA convexa. Kegel. 10516.
AVICULOPECTEN biscissus. Kegel. 10516.
 — *rotundo-alatus*. Kegel. 10516.
BALATONITES hadleyi. Smith. 10695.
 — *kingi*. Smith. 10695.
 — *quaternonodatus* Rassmuss. 10643.
 — *zimmeri*. Rassmus. 10643.
 — *zimmermanni*. Rassmus. 10643.
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 — *condonana*. Anderson & Martin. 10285.
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 — *regius*. Kegel. 10516.
 — *rogersensis*. Foerste. 10434.
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 — *falciiformis*. Smith. 10695.
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BORSONIA cossmanni. Martin. 10561.
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 — *reflectans*. Schirardin. 10669.
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BULLA cantuaensis. Anderson & Martin. 10285.
BYTHINELLA antiquensis. Brown & Pilsbry. 10341.
 — *thomaei*. Wenz. 10432.
CALLIOSTOMA pacificum. Anderson & Martin. 10285.
CALYPTRAEA kalimnae. Chapman & Gabriël. 10374.
CANCELLARIA elsmereensis. English. 10429.
 — *jogjacartensis*. Martin. 10561.
 — *lickana*. Anderson & Martin. 10285.
 — *nanngulanensis*. Martin. 10561.
 — *nevadensis*. Anderson & Martin. 10285.
 — *posunculensis*. Anderson & Martin. 10285.
 — *puruensis*. Martin. 10561.
 — *rotunda*. Anderson & Martin. 10285.
 — *sanjosei*. Anderson & Martin. 10285.
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CARDIUM durum. Brown & Pilsbry. 10340.
 — *weaveri*. Anderson & Martin. 10285.
CASSIDARIA arntzenii. Martin. 10561.
CASSIS jogjacartensis. Martin. 10561.
CELTITES gabbi. Smith. 10695.
 — *polygyratus*. Smith. 10695.
CERATITES altilis. Smith. 10695.
 — *applanatus*. Smith. 10695.
 — *argentarius*. Smith. 10695.
 — *beckeri*. Smith. 10695.
 — *beecheri*. Smith. 10695.

- CERATITES burckhardti*. Smith. 10695.
 — *clarkei*. Smith. 10695.
 — *cornutus*. Smith. 10695.
 — *crassicornu*. Smith. 10695.
 — *cricki*. Smith. 10695.
 — *emmonsii*. Smith. 10695.
 — *gilberti*. Smith. 10695.
 — *haquei*. Smith. 10695.
 — *hersheyi*. Smith. 10695.
 — *karpinskyi*. Smith. 10695.
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 — *newberryi*. Smith. 10695.
 — *occidentalis*. Smith. 10695.
 — *organi*. Smith. 10695.
 — *pilatus*. Smith. 10695.
 — *ransomei*. Smith. 10695.
 — *rectangularis*. Smith. 10695.
 — *rotuloides*. Smith. 10695.
 — *russelli*. Smith. 10695.
 — *spiniifer*. Smith. 10695.
 — *spurri*. Smith. 10695.
 — *taurus*. Smith. 10695.
 — *tenuispiralis*. Smith. 10695.
 — *trojanus*. Smith. 10695.
 — *wardi*. Smith. 10695.
 — *washburnei*. Smith. 10695.
 — *weaveri*. Smith. 10695.
 — *wemplei*. Smith. 10695.
 — *williamsi*. Smith. 10695.
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- CERITHIUM arnoldi*. Anderson & Martin. 10285.
 — *butterworthi*. Dickerson. 10409.
 — *hilli*. Whitney. 10745.
 — *ickei*. Martin. 10561.
 — *shumardi*. Whitney. 10745.
 — *songoënsis*. Martin. 10561.
 — *stantoni*. Whitney. 10745.
- CHEILOCERAS inversum*. Sobolev. 10699.
 — *polonicum*. Sobolev. 10699.
- CHENOPSIS sultani*. Martin. 10561.
- CHIONE elsmereensis*. English. 10429.
 — *fernandoensis*. English. 10429.
 — *latilaminosa*. Anderson & Martin. 10285.
 — *margaritana*. Anderson & Martin. 10285.
 — *panzana*. Anderson & Martin. 10285.
- CHRYSODOMUS andersoni*. Martin. 10559.
 — *eurekaensis*. Martin. 10559.
 — *kernensis*. Anderson & Martin. 10285.
 — *lawsoni*. Martin. 10559.
 — *purisimaensis*. Martin. 10559.
 — *scotiaensis*. Martin. 10559.
 — *tabulatus colmaensis* n. var. Martin. 10559.
- CINULIA conradi*. Whitney. 10745.
 — *pelleti*. Whitney. 10745.
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 — *textilis*. Harder. 10469.
- CLAVILITHES songoensis*. Martin 10561.
- CLYMENIA curridorsata*. Sobolev 10699.
 — *lagowiensis*. Sobolev. 10699.
 — *tenuis*. Sobolev. 10699.
- COLUMBELLA jogjacartensis*. Martin. 10561.
 — *puruiensis*. Martin. 10561.
- COLUMBITES humboldtensis*. Smith. 10695.
 — *plicatulus*. Smith. 10695.
 — *spencei*. Smith. 10695.
- CONDYLOCARDIA tenuicostae*. Chapman & Gabriel. 10374.
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- CONULARIA trentonensis-rogersensis* var. n. Foerste. 10434.
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- COTTESWOLDIA frequens*. Schirardin. 10669.
 — *inconstans*. Schirardin. 10669.
- CRASSATELLITES brainerdi*. Dickerson. 10409.
 — *branneri*. Waring. 10739.
 — *claytonensis*. Dickerson. 10408.
 — *mediamERICANUS*. Brown & Pilsbry. 10340.
 — *stewartvillensis*. Dickerson. 10408.
 — *studleyi*. Dickerson. 10408.
- CTENODONTA beushauseni* n. nom. Kegel. 10516.
 — *candida*. Kegel. 10516.
 — *elegantula*. Kegel. 10516.
- CUOULLAEA morani*. Waring. 10739.
 — *uhligi*. Spitz. 10702.
- CUSPIDARIA hannibali*. Dickerson. 10408.

- CYCLOCONCHA *oblonga*. Foerste. 10434.
 CYLICOCEBAS *splendens*. Schirardin. 10669.
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 — *sanctae-annae*. Smith. 10695.
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 DIENTOMOCHILUS *ickei*. Martin. 10561.
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 — *pygmaeus*. Smith. 10695.
 DIPLODONTA *buwaldana*. Anderson & Martin. 10285.
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 — *triangulata*. Anderson & Martin. 10285.
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 — (?) *lawsoni*. Dickerson. 10408.
 DRILLIA *antiselli*. Anderson & Martin. 10285.
 — *boettgeri*. Martin. 10561.
 — *buwaldana*. Anderson & Martin. 10285.
 — *columbiana*. Anderson & Martin. 10285.
 — *continua costata*. Martin. 10561.
 — *eastoni*. Martin. 10561.
 — *enneacyma*. Brown & Pilsbry. 10340.
 — *fleenerensis*. Martin. 10559.
 — *mercedensis*. Martin. 10559.
 — *ochsneri*. Anderson & Martin. 10285.
 — *ocoyana*. Anderson & Martin. 10285.
 — *sultani*. Martin. 10561.
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 — *wilsoni*. Anderson & Martin. 10285.
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 — *pontica*. Švecov. 10717.??
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 — *dilleri*. Anderson & Martin. 10285.
 — *gabbiana*. Anderson & Martin. 10285.
 — *ochsneri*. Anderson & Martin. 10285.
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 — *dalli*. Smith. 10695.
 — *lahontanum*. Smith. 10695.
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 — *jogjacartense*. Martin. 10561.
 — *hillebrandae*. Martin. 10561.
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 — *upatoiensis*. Stephenson. 10707.
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 — *cossmanni*. Martin. 10561.
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 — *nanggulanensis*. Martin. 10561.
 — *scabriculus subcingularis* n. var. Harder. 10469.
 — *simondsi*. Whitney. 10745.
 GASTRODONTA *coryphodontis*. Cockerell. 10391.
 GENOTIA *jogjacartensis*. Martin. 10561.
 — *pseudomelonenga*. Martin. 10561.
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- GLYPHIOCERAS *subcircularis* n. var.
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 — *subglobosum*. Dollé. 10412.
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 — *gagricus*. Švecov. 10717.
 — *jaculiformis*. Švecov. 10717.
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 — *packardi*. Dickerson. 10408.
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 — *perrini*. Waring. 10739.
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 10285.
 — *kernensis*. Anderson & Martin.
 10285.
 — *thersites*. Martin. 10561.
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 — (?) *howardi*. Dickerson. 10409.
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 — *deningeri*. Martin. 10561.
 — *puruensis*. Martin. 10561.
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NANNITES contractus. Smith. 10695.
NASSA blakei. Anderson & Martin. 10285.
 — *antiselli*. Anderson & Martin. 10285.
 — *ickei*. Martin. 10561.
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 — *nangulanensis*. Martin. 10561.
 — *ocoyana*. Anderson & Martin. 10285.
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 — *spiraliscabra*. Chapman & Gabriel. 10374.
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 — *bolus*. Brown & Pilsbry. 10340.
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 — *hannibali*. Dickerson. 10410.
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 — *pinyonensis*. Dickerson. 10409.
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 — *trisulcata*. Martin. 10561.
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 — *fontanei*. Smith. 10695.
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 — *denticulata*. Martin. 10561.
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 — *sosnovskii*. Sokolov. 10700.
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 — *papyracea*. Sinzow. 10687.
 — *weaveri*. Dickerson. 10408.
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- PARANANNITES *oviformis*. Smith. 10695.
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 INDARCTOS n. gen. Pilgrim. 10625.
 — *salmontanus*. Pilgrim. 10625.
 LAMBDOOTHERIUM *priscum*. Osborn. 10607.
 LOPHIOHYUS n. gen. Sinclair. 10686.
 — *alticeps*. Sinclair. 10686.
 MACROTHERIINÆ n. subfam. Holland & Peterson. 10481.
 MASTODON *hasnoti*. Pilgrim. 10625.
 — *stegodontoides*. Pilgrim. 10625.
 MONOPODINÆ n. subfam. Holland & Peterson. 10481.
 MOROPUS *matthewi*. Holland & Peterson. 10481.
 — *maximus*. Holland & Peterson. 10481.
 — *merriami*. Holland & Peterson. 10481.
 OVIS *toulai*. Freudenberg. 10442.
 PARAMACHÆRODUS n. gen. Pilgrim. 10625.
 PLIOCERVINÆ n. subfam. Chomenko. 10378.
 PROCOBUS n. gen. Chomenko. 10378.
 — *brauneri*. Chomenko. 10378.
 — *melania*. Chomenko. 10378.
 PROGENETTA n. gen. Pilgrim. 10625.
 PROLEPTOBOS n. gen. Pilgrim. 10625.
 — *birmanicus*. Pilgrim. 10625.
 RHINOCEROS *etruscus heidelbergensis* n. subsp. Freudenberg. 10442.
 SCHIZOTHERIINÆ n. subfam. Holland & Peterson. 10481.
 SIVÆLURUS n. gen. Pilgrim. 10625.
 — *chinjiensis*. Pilgrim. 10625.
 TETRAELODON *corrugatus*. Pilgrim. 10625.
 — *macrognathus*. Pilgrim. 10625.
 TRAGOCERUS *validus*. Chomenko. 10378.
 WASATCHIA n. gen. Sinclair. 10686.
 — *dorseyana*. Sinclair. 10686.
 — *grangeri*. Sinclair. 10686.
 — *lysitensis*. Sinclair. 10686.

PALAEOBOTANY.

A. STRATIGRAPHICAL CLASSIFICATION.

38 FOSSILS OF DOUBTFUL
STRATIGRAPHICAL POSI-
TION.38.5000 *PALAEOBOTANICA
GENERALIS.*

Das Pflanzenreich. Regni vegetabilis conspectus. Im Auftrage der Königl. Preuss. Akademie der Wissenschaften hrsg. v. A[dolf] Engler. H. 58 (IV. 147). H. 59 (IV. 251). H. 60 (IV. 23 Db.). H. 61 (IV. 228). Leipzig (W. Engelmann), 1913, (97; II+210; II+143 · II+305.). 26 cm. 5 M. 10,60 M. 7,30 M. 15,80 M.

33.5400 *DICOTYLEDONES.*

Nagel. 10587. Familie der Juglandaceen.

38.6700 *PTERIDOPHYTA.*

Derby. 10407. Stem structure of *Psaronius brasiliensis*.

39 GENERAL.

39.5000 *PALAEOBOTANICA
GENERALIS.*

Brockmann-Jerosch. 10326. Zwei Grundfragen der Paläophytogeographie.

Jongmans. 10508. Palaeobotanik.

Kupart. 10533. Bemerkungen zur Pseudanthien- und Strobilustheorie.

Pagès. 10613. Géologie du canton de Saint-Gervais-sur-Mare (Hérault).

g NORTH AMERICA.

gh South Eastern United States.

White. 10743. The fossil flora of West Virginia.

i AUSTRALIA.

Chapman. 10373. Australasian fossils.

39.6500 *GYMNOSPERMEAE.*

Wieland. 10753. American fossil cycads.

39.6600 *CYCADOFILICES.*

Potonié. 10635. Blatt-Epidermen einiger fossilen „Pteridospermen“.

45 *PALAEOZOIC (GENERAL).*39.7400 *ALGAE ET SCHIZO-
PHYCEAE.*

e ASIA.

eb China and Dependencies.

Yabe. 10772. Gesteinsbildende Kalkalgen von Japan und China.

50 LOWER PALAEOZOIC.

50.7400 *ALGAE ET SCHIZO-
PHYCEAE.*

g NORTH AMERICA.

gi Western United States.

Walcott. 10736. Pre-Cambrian Algonkian algal flora.

55 UPPER PALAEOZOIC.

55.5000 *PALAEOBOTANICA
GENERALIS.*

Carpentier. 10358. Empreintes végétales et remarques sur la faune du calcaire de Bachant.

d EUROPE.

df France and Corsica.

Bézier. 10314. L'existence d'une florule carbonifère (westphalienne ?) à Melesse (Ille-et-Vilaine).

di Switzerland.

Murr. 10586. Urgebirgsflora auf der älteren Kreide. Eine Studie aus dem österreichischschweizerischen Grenzgebiete.

dk Austria-Hungary.

Murr. 10586. Urgebirgsflora auf der älteren Kreide. Eine Studie aus dem österreichisch-schweizerischen Grenzgebiete.

g NORTH AMERICA.*gg* North Eastern United States.

Grier. 10462. Fossil plants occurring in the roof of the Pittsburgh coal.

gh South Eastern United States.

White. 10743. The fossil flora of West Virginia.

55.5400 DICOTYLEDONES.

Wilson. 10769. Palaeontological work in Southern New Brunswick [Canada].

55.6500 GYMNOSPERMEAE.

e ASIA.*eb* China and Dependencies.

Smirnov. 10688. Eine oberpalaeozoische Flora aus der Mongolei. (Russ. mit deutsch. Rés.)

ef British India.

Seward. 10679. Gymnospermeae from the Golabgash Pass, Kashmir.

g NORTH AMERICA.*gg* North Eastern United States.

Elkins and Wieland. 10427. Cordaitan wood from the Indiana Black shale.

55.6600 CYCADOFILICES.

Carpentier. 10359. Des empreintes de *Whittleseyia* (?) *fertilis* Kidston trouvées dans le houiller du nord de la France.

Gordon. 10454. On *Rhetinangium arberi*, a new genus of cycadofilices from the calciferous sandstone series.

Kidston and Gwynne - Vaughan. 10518. On the carboniferous flora of Berwickshire. Part I. *Stenomylon tudianum* Kidston.

Kubart. 10532. Die Cycadofilicinen *Heterangium* und *Lyginodendron* aus dem Ostrauer Kohlenbeckens.

55.6700 PTERIDOPHYTA.

Bertrand. 10311. Relations des empreintes de *Corynopteris* avec les *Zyopteris* à structure conservée.

Johnson. 10503. *Forbesia cancellata* gen. et sp. nov. [*Sphenopteris*, sp., Bailly].

Lignier. 10543. Différenciation des tissus dans le bourgeon végétatif du *Cordaites lingulatus* B. Ren.

Pelourde. 10617. Remarques sur la trace foliaire des Psaroniées.

Zeiller. 10779. Rapport sur les travaux de F. Pelourde.

d EUROPE.*de* German Empire.

Jongmans und Kukuk. 10509. Calamariaceen des Rheinisch-Westfälischen Kohlenbeckens.

de Great Britain.

Gordon. 10453. On *Lepidophloios scotti* (A new species from the calciferous sandstone series at Pettycur, Fife).

df FRANCE.

Bertrand. 10310. Sur un échantillon fructifié de *Pecopteris* du terrain houiller d'Anzin.

e ASIA.*eab* East Siberia.

Smirnov. 10689. Pflanzenreste aus der Ursa-Stufe des Flusses Ulu-Kem. (Russ. mit deutsch. Rés.)

eb China and Dependencies.

Smirnov. 10688. Eine oberpalaeozoische Flora aus der Mongolei. (Russ. mit deutsch. Rés.)

ef British India.

Seward. 10679. Lower Gondwana Pteridophyta from the Golabgash Pass, Kashmir.

f AFRICA.*ff* East Africa.

Brehmer. 10325. Eine *Glossopteris*-flora am Ulugurugebirge (Deutsch-Ostafrika).

g NORTH AMERICA.**gdn New Brunswick.**

Wilson. 10767. Summary report dealing with the field work in connection with the collection of palæontological material from the Devonian and lower Carboniferous of New Brunswick.

Wilson. 10768. Palæontological material from the Devonian and Carboniferous of Southern New Brunswick.

i AUSTRALIA.**if Victoria.**

Chapman. 10368. The precise locality of the type specimen of *Lepidodendron australe* McCoy.

60 MESOZOIC (GENERAL).**60.5000 PALAEOBOTANICA GENERALIS.****d EUROPE.****dbe Ural.**

Krištofović. 10529. Mesozoic plant remains from the Eastern Ural.

65 TRIASSIC.**65.6500 GYMNOSPERMEAE.**

Wieland 10751. On the Williamsonian tribe.

——— 10752. Recent contributions on cycadophytans.

70 JURASSIC.**70.5000 PALAEOBOTANICA GENERALIS.****d EUROPE.****dbb Southern Russia.**

Krištofović. 10539. Die Pflanzenreste aus den Jura-Ablagerungen der Krym. (Russ.)

e ASIA.**eb China.**

Pelourde. 10618. Végétaux fossiles du sud-ouest de la Chine, rapportés par Legendre.

70.6500 GYMNOSPERMEAE.

Seward. 10677. The jurassic flora of Sutherland.

Seward and Bancroft. 10680. Jurassic plants from Cromarty and Sutherland, Scotland.

g NORTH AMERICA.**ga Alaska and Aleutian Islands.**

Knowlton. 10522. The Jurassic flora of Cape Lisburne, Alaska.

70.6700 PTERIDOPHYTA.**d EUROPE.****de Germany.**

Horn. 10482. *Sagenopteris caldonica* n. sp. aus einem Callovien-Geschiebe Ostpreussens.

de Great Britain.

Seward. 10677. The jurassic flora of Sutherland.

Seward and Bancroft. 10680. Jurassic plants from Cromarty and Sutherland, Scotland.

g NORTH AMERICA.**ga Alaska and Aleutian Islands.**

Knowlton. 10522. The jurassic flora of Cape Lisburne, Alaska.

70.7400 ALGAE ET SCHIZOPHYCEAE.**d EUROPE.****df France.**

Cayeux. 10365. Existence de nombreuses traces d'algues perforantes dans les minerais de fer oolithique de France.

e ASIA.**ec Japanese Islands.**

Yabe. 10772. Gesteinsbildende Kalkalgen von Japan und China.

70.7700 FUNGI, BACTERIA, ET MYCETOZOA.**d EUROPE.****de Great Britain.**

Ellis. 10428. Fossil micro-organisms from the Jurassic and Cretaceous rock of Great Britain.

75 CRETACEOUS.

75.5000 *PALAEOBOTANICA
GENERALIS.**g* NORTH AMERICA.*gi* Western United States.*gh* South-Eastern United States
East of Mississippi.Berry. 10303. Mesozoic flora of the
Atlantic coastal plain, 10. Maryland.—— 10308. Upper Cretaceous and
Eocene floras of South Carolina and
Georgia.75.6000 *MONOCOTYLEDONES.*Cockerell. 10393. Two new plants
from the Tertiary rocks of the west.75.6500 *GYMNOSPERMEAE.**e* ASIA.*ec* Japanese Islands.Yabe. 10773. Mesozoische Pflanzen
von Omoto.*g* NORTH AMERICA.*gg* North Eastern United States.Holden. 10479. Cretaceous *Pity-
oxyla* from Cliffwood, New Jersey.—— 10480. Cretaceous lignites
from Cliffwood, New Jersey.*h* SOUTH AMERICA.*hf* Peru.Zeiller. 10780. Sur quelques plantes
wéaldiennes recueillies au Pérou par M.
le capitaine Berthon.75.6700 *PTERIDOPHYTA.**e* ASIA.*ec* Japanese Islands.Yabe. 10773. Mesozoische Pflanzen
von Omoto.*h* SOUTH AMERICA.*hf* Peru.Zeiller. 10780. Sur quelques plantes
wéaldiennes recueillies au Pérou par
M. le capitaine Berthon.5.7400 *ALGAE ET
SCHIZOPHYCEAE.**e* ASIA.*ec* Japanese Islands.Yabe. 10772. Gesteinsbildende Kalk-
algen von Japan und China.75.7700 *FUNGI, BACTERIA, ET
MYCETOZOA.**d* EUROPE.*de* Great Britain.Ellis. 10428. Fossil micro-organisms
from the Jurassic and Cretaceous rock
of Great Britain.80 *CAENOZOIC (TERTIARY)
(GENERAL.)*80.5000 *PALAEOBOTANICA
GENERALIS.**g* NORTH AMERICA.*gf* United States as a whole.Berry. 10299. Tertiary floras of
the Atlantic and Gulf coastal plain.80.5400 *DICOTYLEDONES.**e* ASIA.*ef* British India.Seward. 10678. Dicotyledonous
leaves from the coal measures of Assam.*g* NORTH AMERICA.*gh* South Eastern United States.Berry. 10306. Two new Tertiary
species of *Trapa*.*gi* Western United States.Cockerell. 10393. Two new plants
from the Tertiary rocks of the west.80.6500 *GYMNOSPERMEAE.**i* AUSTRALIA.*ii* Tasmania.Stephens. 10706. A fossil tree in
drift on north-west coast of Tasmania.

85 LOWER CAENOZOIC.

85.5000 *PALAEOBOTANICA
GENERALIS.*Fritel. 10443. Vuc d'ensemble sur
la flore thanétienne.

g NORTH AMERICA.**gh South-Eastern United States.**

Berry. 10304. The affinities and distribution of the Lower Eocene flora of south-eastern North America.

——— 10308. Upper Cretaceous and Eocene floras of South Carolina and Georgia.

gi Western United States.

Peale. 10614. On the stratigraphic position and age of the Judith river formation. [Formerly supposed to be Cretaceous.]

85.5400 DICOTYLEDONES.**h CENTRAL AND SOUTH AMERICA.****hb Central America.**

Berry. 10305. Fossil plants in the Panama canal zone.

85.6000 MONOCOTYLEDONES.**g NORTH AMERICA.****gh South-Eastern United States.**

Berry. 10301. A Nipa-palm [*Nipa-dites Burtini umbonatus*] in the North American Eocene.

gi Western United States.

Berry. 10302. Fruits of a date palm in the Tertiary deposits of eastern Texas.

85.7700 FUNGI, BACTERIA, ET MYCETOZOA.**d EUROPE.****dl Balkan Peninsula.**

Bertrand. 10309. Premières observations sur le schiste paraffineux d'Alexinatz (Serbie).

90 UPPER CAENOZOIC**90.5000 PALAEOBOTANICA GENERALIS.****d EUROPE.****dc German Empire.**

Fliegel u. Stoller. 10433. Jungtertiäre und altdiluviale pflanzenführende Ablagerungen im Niederrheingebiet.

Jentzsch. 10510. Der Posener Ton und die Lagerstätte der Flora von Moltkegrube.

(K-5109)

Menzel. 10571. Pflanzenreste aus dem Posener Ton.

——— 10572. Flora der Niederrheinischen Braunkohlen-Formation.

e ASIA.**ea East Siberia.**

Konstantov. 10523. Ueber einige Vertreter der Flora aus miozänen Schichten am Unterlauf des Flusses Bureja. (Russ. mit deutsch. Rés.)

g NORTH AMERICA.**gi Western United States.**

Cockerell. 10389. The fauna of the Florissant (Colorado) shales.

90.5400 DICOTYLEDONES.**d EUROPE.****dbd Caucasus.**

Bogačev. 10319. La faune des dépôts salifères de la Transcaucasie. (Russe av. rés. fr.)

90.6000 MONOCOTYLEDONES.**g NORTH AMERICA.****gi Western United States.**

Cockerell. 10393. Two new plants from the Tertiary rocks of the west.

90.7900 PLANTAE INCERTAE SEDIS.**g NORTH AMERICA.****gi Western United States.**

Cockerell. 10389. The fauna of the Florissant (Colorado) shales.

95 PLEISTOCENE AND RECENT.**95.5000 PALAEOBOTANICA GENERALIS.****d EUROPE.****dba Northern Russia.**

Lindberg. L'exploration d'une tourbière à Kyrkslätt, Finlande. (Suédois.)

——— 10545. Phytopaläontologisches aus Raseborg, Finland. (Schwedisch.)

Malm und Rancken. 10555. Moore in Finland. (Schwedisch.)

de Germany.

Beyle. 10312. Ueber einige Ablagerungen fossiler Pflanzen der Hamburger Gegend.

Fliegel und Stoller. 10433. Jungtertiäre und altdiluviale pflanzenführende Ablagerungen im Niederrheingebiet.

Weber. 10740. Die Mammuthflora von Borna.

de Scotland.

Lewis. 10541. The plant remains in the Scottish peat mosses.

g NORTH AMERICA.**gh South-Eastern United States.**

White. 10743. The fossil flora of West Virginia.

95.5400 DICOTYLEDONES.**g NORTH AMERICA.****gh South-Eastern United States.**

Berry. 10300. Pleistocene plants from the Blue Ridge in Virginia.

——— 10307. Pleistocene flora of the southern states.

i AUSTRALIA.**if Victoria.**

Chapman. 10372. An impression of fruit of *Casuarina* in the newer basalt.

95.6000 MONOCOTYLEDONES.**g NORTH AMERICA.****gh Mississippi River System as a whole.**

Berry. 10307. Pleistocene flora of the southern states.

95.6500 GYMNOSPERMEAE.**g NORTH AMERICA.****gh South-Eastern United States**

Berry. 10300. Pleistocene plants from the Blue Ridge in Virginia.

95.7400 ALGAE ET SCHIZOPHYCEAE.**d EUROPE.****dbc Ural.**

Jakovlev. 10499. *Laminaria antiquissima* Eichw.

PALAEOBOTANY.

B. BOTANICAL CLASSIFICATION.

5000 *PALAEOBOTANICA*
*GENERALIS.*5000.38 *FOSSILS OF DOUBTFUL*
STRATIGRAPHICAL
POSITION.

Das Pflanzenreich. Regni vegetabilis conspectus. Im Auftrage der Königl. Preuss. Akademie der Wissenschaften hrsg. v. A[dolf] Engler. H. 58 (IV. 147). H. 59 (IV. 251). H. 60 (IV. 23 Db.). H. 61 (IV. 228). Leipzig (W. Engelmann) 1913 (97; II + 210; II + 143; II + 305). 26 cm. 5 M. 10.60 M. 7.30 M. 15.80 M.

5000.39 *GENERAL.*

Brockmann-Jerosch. 10326. Zwei Grundfragen der Paläophytogeographie.

Chapman. 10373. Australasian fossils.

Jongmans. 10508. Palaeobotanik.

Knowlton. 10521. The relations of palaeobotany to geology.

Kubart. 10533. Bemerkungen zur Pseudanthien- und Strobilustheorie.

Pagès. 10613. Géologie du canton de Saint-Gervais-sur-Mare (Hérault.)

White. 10743. The fossil flora of West Virginia.

5000.55 *UPPER PALAEOZOIC.*

Bézier. 10314. L'existence d'une florule carbonifère (westphalienne ?) à Melesse (Ille-et-Vilaine).

Carpentier. 10358. Empreintes végétales et remarques sur la faune du calcaire de Bachant.

Grier. 10462. Fossil plants occurring in the roof of the Pittsburgh coal.

(K-5109)

Murr. 10586. Urgebirgsflora auf der älteren Kreide. Eine Studie aus dem österreichischschweizerischen Grenzgebiete.

White. 10743. The fossil flora of West Virginia.

5000.60 *MESOZOIC (GENERAL).*

Krištofovič. 10529. Mesozoic plant-remains from the Eastern Ural.

5000.70 *JURASSIC.*

Krištofovič. 10530. Die Pflanzenreste aus den Jura-Ablagerungen der Krym. (Russ.)

Pelourde. 10618. Végétaux fossiles du sud-ouest de la Chine, rapportés par Legendre.

5000.75 *CRETACEOUS.*

Berry. 10303. Mesozoic flora of the Atlantic coastal plain, 10 Maryland.

5000.80 *CAENOZOIC (TERTIARY) (GENERAL).*

Berry. 10299. Tertiary floras of the Atlantic and Gulf coastal plain.

5000.85 *LOWER CAENOZOIC*
EOCENE, OLIGOCENE.

Berry. 10304. The affinities and distribution of the Lower Eocene flora of southeastern North America.

Fritel. 10443. Vue d'ensemble sur la flore thanétienne.

Peale. 10614. On the stratigraphic position and age of the Judith river formation. [Formerly supposed to be Cretaceous.]

5000.90 UPPER CAENOZOIC, MIOCENE, PLIOCENE.

Cockerell. 10389. The fauna of the Florissant (Colorado) shales.

Fliegel und Stoller. 10433. Jungtertiäre und altdiluviale pflanzenführende Ablagerungen im Nieder-rheingebiet.

Jentzsch. 10501. Der Posener Ton und die Lagerstätte der Flora von Moltkegrube.

Konstantov. 10523. Ueber einige Vertreter der Flora aus miozänen Schichten am Unterlauf des Flusses Bureja. (Russ. mit deutsch. Rés.)

Menzel. 10571. Pflanzenreste aus dem Posener Ton.

———. 10572. Flora der Nieder-rheinischen Braunkohlenformation.

5000.95 PLEISTOCENE AND RECENT.

Beyle. 10312. Ablagerungen fossiler Pflanzen der Hamburger Gegend.

Fliegel und Stoller. 10433. Jungtertiäre und altdiluviale pflanzenführende Ablagerungen im Nieder-rheingebiet.

Lewis. 10541. The plant remains in the Scottish peat mosses.

Lindberg. L'exploration d'une tourbière à Kyrkslätt, Finlande.

———. 10545. Phytopaläontologisches aus Raseborg Finland.

Malm und Rancken. Moore in Finland. (Schwedisch.)

Weber. 10740. Die Mammuthflora von Borna.

White. 10743. The fossil flora of West Virginia.

5400 DICOTYLEDONES.

5400.38 FOSSILS OF DOUBTFUL STRATIGRAPHICAL POSITION.

Nagel. 10587. Familie der Juglandaceen.

5400.55 UPPER PALAEOZOIC.

Wilson. 10769. Palaeontological work in Southern New Brunswick. [Canada].

5400.75 CRETACEOUS.

Acaciaphyllites n. gen. et sp. *grevilleoides*. South Carolina, Cretaceous. Berry. 10308.

Andromeda euphorbiophylloides n. sp. South Carolina, Cretaceous. Berry. 10308.

Aralia eutuensis n. sp. Georgia, Cretaceous. 10308.

Caesalpinia middendorfensis n. sp. South Carolina, Cretaceous. Berry. 10308.

Calycites middendorfensis n. sp. South Carolina, Cretaceous. Berry. 10308.

Celastrphyllum carolinensis n. sp. South Carolina, Cretaceous. Berry. 10308.

Cinnamomum newberryi n. nom. Georgia and South Carolina, Cretaceous. Berry. 10308.

Crotonophyllum panduriformis n. sp. South Carolina, Cretaceous. Berry. 10308.

Ficus cellifolius n. sp. South Carolina, Cretaceous. Berry. 10308.

———. *georgiana* n. sp. Georgia, Cretaceous. Berry. 10308.

Illicium watereensis n. sp. South Carolina, Cretaceous. Berry. 10308.

Laurus atanensis n. nom. South Carolina, Cretaceous. Berry. 10308.

Leguminosites middendorfensis n. sp. South Carolina, Cretaceous. Berry. 10308.

Menispermites variabilis n. sp. Georgia, Cretaceous. Berry. 10308.

Momisia carolinensis n. sp. South Carolina, Cretaceous. Berry. 10308.

Pachystima ? cretacea n. sp. South Carolina, Cretaceous. Berry. 10308.

Paliurus upatoiensis n. sp. Georgia, Cretaceous. Berry. 10308.

Proteoides parvula n. sp. South Carolina, Cretaceous. Berry. 10308.

Quercus nn. spp. South Carolina, Cretaceous. Berry. 10308.

Rhus darlingtonensis n. sp. South Carolina, Cretaceous. Berry. 10308.

Salix sloani n. sp. South Carolina.
Cretaceous. **Berry.** 10308.

Zizyphus laurifolius n. sp. Georgia.
Cretaceous. **Berry.** 10308.

5400.80 CAENOZOIC (TERTIARY) (GENERAL).

Phyllites kamarupensis n. sp. Coal
measures, Assam. **Seward.** 10678.

Tithymalus phenacodorum n. sp.
Wyoming, Tertiary. **Cockerell.** 10393.

5400.85 LOWER CAENOZOIC (EOCENE, OLIGOCENE).

GENERAL.

Berry. 10305. Fossil plants in the
Panama canal zone.

SPECIAL.

Castanea claibornensis n. sp. Georgia,
Eocene. **Berry.** 10308.

Conocarpus eocenica n. sp. Georgia,
Eocene. **Berry.** 10308.

Dodonaea viscosoides n. sp. Georgia,
Eocene. **Berry.** 10308.

Ficus claibornensis n. sp. Georgia,
Eocene. **Berry.** 10308.

Mimosites georgianus n. sp. Georgia,
Eocene. **Berry.** 10308.

Momisia americana n. sp. Georgia,
Eocene. **Berry.** 10308.

Pisonia claibornensis n. sp. Georgia,
Eocene. **Berry.** 10308.

Rhizophora eocenica n. sp. Georgia,
Eocene. **Berry.** 10308.

Sapindus georgiana n. sp. Georgia,
Eocene. **Berry.** 10308.

Terminalia phaeocarpoides n. sp.
Georgia. Eocene. **Berry.** 10308.

Trapa wilcoxensis n. sp. Tennessee,
Eocene. **Berry.** 10306.

5400.90 UPPER CAENOZOIC (MIOCENE, PLIOCENE).

Ostrya palaeocarpiniifolia n. sp. Caucasus. **Bogačev.** 10319.

Phyllites nn. spp. Posener, Ton.
Menzel. 10571.

Trapa alabamensis n. sp. Alabama,
Pliocene. **Berry.** 10306.

5400.95 PLEISTOCENE AND RECENT.

Berry. 10300. Pleistocene plants
from the Blue Ridge in Virginia.

————— 10307. Pleistocene flora
of the southern states.

Chapman. 10372. An impression
of fruit of *Casuarina* in the newer
basalt of Victoria.

6000 MONOCOTYLEDONES. 6000.75 CRETACEOUS.

Doryanthites n. gen. et sp. cretacea.
Georgia, Cretaceous. **Berry.** 10308.

Potamogeton middendorffensis n. sp.
South Carolina, Cretaceous. **Berry.**
10308.

Sabalites carolinensis n. sp. South
Carolina, Cretaceous. **Berry.** 10308.

Smilax kansana n. nom. **Cockerell.**
10393.

6000.85 LOWER CAENOZOIC (EOCENE, OLIGOCENE).

Arundo pseudogoepperti n. sp. Georgia,
Eocene. **Berry.** 10308.

Nipadites burtini umbonatus. North
American, Eocene. **Berry.** 10301.

Phoenicites occidentalis n. sp. Texas,
Tertiary. **Berry.** 10302.

Pistia claibornensis n. sp. Georgia,
Eocene. **Berry.** 10308.

Potamogeton megaphyllus n. sp.
Georgia, Eocene. **Berry.** 10308.

Thrinax eocenica n. sp. Georgia,
Eocene. **Berry.** 10308.

6000.90 UPPER CAENOZOIC (MIOCENE, PLIOCENE).

Smilax nn. spp. Colorado, Miocene.
Cockerell. 10393.

6000.95 PLEISTOCENE AND RECENT.

Berry. 10307. Pleistocene flora of
the Southern states.

6500 GYMNOSPERMEAE.

6500.39 GENERAL.

Wieland. 10753. American fossil
cycads.

6500.55 UPPER PALAEOZOIC.

GENERAL.

Elkins and Wieland. 10427. Cordaitan wood from the Indiana Black shale.

SPECIAL.

Callixylon oweni n. sp. Indiana, Devonian. **Elkins and Wieland.** 10427.

Cordaite hislopi. Lower Gondwana, Kashmir. **Seward.** 10679.

Psygmyphyllum zeilleri n. sp. Mongolia, Permian. **Smirnov.** 10688.

6500.65 TRIASSIC.

Wieland. 10751. On the Williamsonian tribe.

——— 10752. Recent contributions on cycadophytans.

6500.70 JURASSIC.

Knowlton. 10522. The Jurassic flora of Cape Lisburne, Alaska.

Seward. 10677. The Jurassic flora of Sutherland.

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Ellis. 10428. Fossil micro-organisms from the Jurassic and Cretaceous rock of Great Britain.

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*The numbers at end of full Title are those used in the
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- Adelaide, S. Aust., Trans. R. Soc.*—Transactions of the Royal Society of S. Australia, Adelaide. 6 S. Aus.
- Albany, N.Y. Educ. Dept. St. Mus. Bull.*—Bulletin of the New York State Museum. University of the State of New York, Albany, N.Y. 4 U.S.
- Albany, Univ. N.Y. Bull. St. Mus.*—Bulletin of the New York State Museum. University of the State of New York, Albany, N.Y. — U.S.
- Alger, Bul. Soc. hist. nat.*—Bulletin de la Société d'histoire naturelle de l'Afrique du Nord. Alger. — Fr.
- Allg. bot. Zs., Karlsruhe.*—Allgemeine botanische Zeitschrift für Systematik, Floristik, Pflanzengeographie etc., hrsg. v. Kneucker. Karlsruhe. [monat.] 18 Ger.
- Amer. J. Sci., New Haven, Conn.*—American Journal of Science, New Haven, Conn. 19 U.S.
- Amer. Nat., Boston, Mass.*—The American Naturalist, Boston, Mass. 21 U.S.
- Amiens, Bul. soc. linn.*—Bulletin de la société linnéenne du nord de la France. Amiens (Somme). [mensuel.] 28 Fr.
- Amsterdam, Proc. Sci. K. Akad. Wet.*—Proceedings of the Sections of Sciences, Koninklijke Akademie van Wetenschappen, Amsterdam. 8vo. 3 Hol.
- Amsterdam, Versl. Wis. Nat. Afd. K. Akad. Wet.*—Verslagen der Vergaderingen van de Wis- en Natuurkundige Afdeling der Koninklijke Akademie van Wetenschappen, Amsterdam. 8vo. 7 Hol.
- Ann. géol. minér., Novo-Alexandria.*—Ежегодникъ по геологiи и минералогiи Россiи. Новая Александрия [Annuaire géologique et minéralogique de la Russie. Novo Alexandria]. — Rus.
- Ann. Inst. océan., Monaco.*—Annales de l'Institut océanographique de Monaco. — Monaco.
- Ann. paléont., Paris.*—Annales de Paléontologie publiées sous la direction de Marcellin Boule. Paris (Masson). 28 cm. — Fr.
- Ann. sci. nat. (Zool. Bot.), Paris.*—Annales des sciences naturelles, paraît en deux parties. 77 Fr.
- Ann. Univ., Lyon.*—Annales de l'Université. Lyon (Rhône). [irrégul.] 82 Fr.
- Austin, Bull. Univ. Texas Sci. Ser.*—Bulletin of the University of Texas. Scientific Series. Austin. — U.S.
- Austin, Trans. Texas Acad. Sci.*—Transactions of the Texas Academy of Science, Austin. 32 U.S.

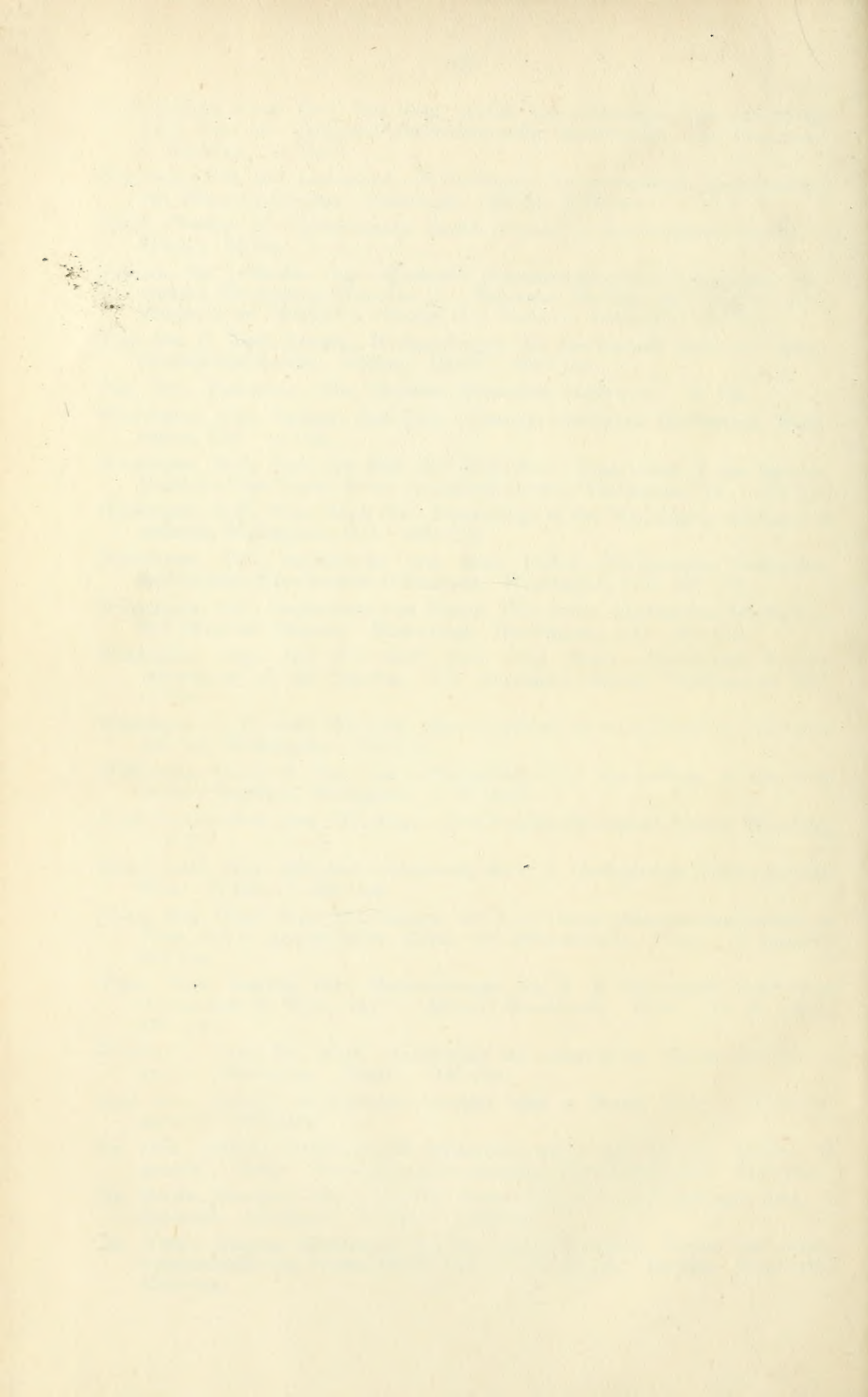
- Autun, Bul. soc. hist. nat.*—Bulletin de la société histoire naturelles. Autun (Saône-et-Loire). 149 Fr.
- Auxerre, Bul. soc. sci. hist. nat.*—Bulletin de la société des sciences historiques et naturelles de l'Yonne. Auxerre (Yonne). 152 Fr.
- Berkeley, Univ. Cal. Bull. Dept. Geol.*—University of California. Bulletin of the Department of Geology, Berkeley. 40 U.S.
- Berlin, Abh. geol. Landesanst.*—Abhandlungen der kgl. preussischen geologischen Landesanstalt. Berlin. [2–3 H. jährl.] 154 Ger.
- Berlin, Ber. D. bot. Ges.*—Berichte der deutschen botanischen Gesellschaft. Berlin. [monatl.] 164 Ger.
- Berlin, Jahrb. geol. Landesanst.*—Jahrbuch der kgl. preussischen geologischen Landesanstalt und Bergakademie. Berlin. [jähr.] 171 Ger.
- Berlin, SitzBer. Ak. Wiss.*—Sitzungsberichte der kgl. preussischen Akademie der Wissenschaften. Berlin. [wöch.] 182 Ger.
- Berlin, SitzBer. Ges. natf. Freunde.*—Sitzungsberichte der Gesellschaft naturforschender Freunde zu Berlin. Berlin. [jähr. in zwangl. H.] 183 Ger.
- Berlin, Zs. D. geol. Ges.*—Zeitschrift der deutschen geologischen Gesellschaft. Berlin. [$\frac{1}{4}$ jährl.] 199 Ger.
- Berliner klin. Wochenschr.*—Berliner klinische Wochenschrift, red. v. Ewald u. Posner. Berlin. [wöch.] 209 Ger.
- Bordeaux, Actes soc. linn.*—Actes de la société linnéenne de Bordeaux (Gironde). [trimestr.] 184 Fr.
- Boston, Mass., Proc. Amer. Acad. Arts Sci.*—Proceedings of the American Academy of Arts and Sciences, Boston, Mass. 60 U.S.
- Bot. Gaz., Chicago, Ill.*—Botanical Gazette, Chicago, Ill. 64 U.S.
- Bot. Jahrb., Leipzig.*—Botanische Jahrbücher für Systematik, Pflanzengeschichte und Pflanzengeographie, hrsg. v. Engler. Leipzig. [10 H. jährl.] 242 Ger.
- Bremen, Abh. natw. Ver.*—Abhandlungen, hrsg. v. naturwissenschaftlichen Verein zu Bremen. Bremen. [1–2 H. jährl.] 253 Ger.
- Bul. Muséum, Paris.*—Bulletin du Muséum d'Histoire Naturelle. Paris [8 numéros par an.] 237 Fr.
- Bull. Soc. nat. Simferopolj.*—Записки Крымскаго Общества естествоиспытателей и любителей природы. Симферополь [Bulletin de la société des naturalistes et des amis de la nature en Crimée. Simferopolj]. — Rus.
- Cambridge, Mass., Bull. Mus. Comp. Zool. Harvard Coll.*—Bulletin of the Museum of Comparative Zoology at Harvard College, Cambridge, Mass. 71 U.S.
- Centralbl. Min., Stuttgart.*—Centralblatt für Mineralogie, Geologie und Paläontologie, hrsg. v. Bauer etc. Stuttgart. [$\frac{1}{2}$ monatl.] 285 Ger.
- Chalon-sur-Saône, Bul. soc. sci. nat.*—Bulletin de la société des sciences naturelles de Saône-et-Loire. Chalon-sur-Saône (Saône-et-Loire). [mensuel.] 260 Fr.
- Chambéry, Bul. soc. hist. nat.*—Bulletin de la société d'histoire naturelle. Chambéry (Savoie). [irrégul.] 262 Fr.
- Cincinnati, Ohio, J. Soc. Nat. Hist.*—Journal of the Cincinnati Society of Natural History, Cincinnati, Ohio. 115 U.S.
- D. Monatsschr. Zahnheilk., Leipzig.*—Deutsche Monatsschrift für Zahnheilkunde, red. v. Parreidt. Leipzig. [monatl.] 365 Ger.
- Dublin, Sci. Proc. R. Soc.*—Scientific Proceedings of the Royal Dublin Society Dublin. 77 U.K.
- Edinburgh, Proc. R. Soc.*—Proceedings of the Royal Society of Edinburgh. 96 U.K.

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- Ekaterinoslav, Izv. gorn. Inst.*—Извѣстія Екатеринославскаго высшаго горнаго училища. Екатеринославъ [Bulletin de l'Institut des mines d'Ekaterinoslav. Ekaterinoslav]. — Rus.
- F. Mosskult. Tidskr., Helsingfors.*—Finska Mosskulturförningens Tidskrift. Helsingfors. 8vo. 13 Fin.
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- Geogn. Jahreshfte, München.*—Geognostische Jahreshfte, hrsg. v. d. geognostischen Abtheilung des kgl. bayerischen Oberbergamts in München. München. [jähr.] 507 Ger.
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- Glückauf, Essen.*—Glückauf. Berg- und hüttenmännische Wochenschrift, red. v. Engel etc. Essen. [wöch.] 526 Ger.
- Grahamstown, Cape Colony, Rec. Albany Mus.*—Records of the Albany Museum, Grahamstown. 12 S.A.
- Gray, Bul. soc. grayl. émul.*—Bulletin de la société grayloise d'émulation. Gray (Haute-Saône). [irrégul.] 363 Fr.
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- Haarlem, Arch. Mus. Teyler.*—Archives du Musée Teyler, Haarlem. 8vo. 21 Hol.
- Hamburg, Jahrb. wiss. Anst.*—Jahrbuch der Hamburgischen wissenschaftlichen Anstalten. Hamburg. [jähr.] Nebst Beiheften. 553 Ger.
- Heidelberg, Verh. nathist. Ver.*—Verhandlungen des naturhistorisch-medicinischen Vereins zu Heidelberg. Heidelberg. [1–2 H. jähr.] 575 Ger.
- Helsingfors, Fennia.*—Fennia. Bulletin de la Société de Géographie de Finlande. Helsingfors. 8vo. 8 Fin.
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- München, Abh. Ak. Wiss.*—Abhandlungen der kgl. bayerischen Akademie der Wissenschaften. München. [jährh. in zwangl. H.] 833 Ger.
- N. Jahrb. Min., Stuttgart.*—Neues Jahrbuch für Mineralogie, Geologie und Paläontologie, hrsg. v. Bauer. Stuttgart. [2 monatl.] Nebst Beilage-Bänden. 854 Ger.
- Natur u. Kultur, München.*—Natur und Kultur. Zeitschrift für Schule und Leben, hrsg. v. F. H. Völler. München. [$\frac{1}{2}$ monatl.] — Ger.
- Natw., Berlin.*—Die Naturwissenschaften. Wochenschrift für die Fortschritte der Naturwissenschaft, der Medizin und der Technik, hrsg. v. A. Berliner u. C. Thesing. Berlin. [wöch.] — Ger.
- New York, N.Y., Ann. Acad. Sci.*—Annals of the New York Academy of Sciences. New York, N.Y. 295 U.S.
- New York, N.Y., Bull. Amer. Mus. Nat. Hist.*—Bulletin of the American Museum of Natural History, New York, N.Y. 299 U.S.
- New York, N.Y., Bull. Torrey Bot. Cl.*—Bulletin of the Torrey Botanical Club. New York, N.Y. 302 U.S.
- Ohio Nat., Columbus.*—Ohio Naturalist. (Biological Club, Ohio State University). Columbus. 348 U.S.
- Ottawa, Geol. Surv. Can.*—Geological Survey of Canada, Annual Reports of the Director, Ottawa. 11 Can.
- Paris, Bul. mêm. soc. anthr.*—Bulletin et mémoires de la société d'anthropologie de Paris. Paris. [bimestr.] 577 Fr.
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- Philadelphia, Pa., J. Acad. Nat. Sci.*—Journal of the Academy of Natural Sciences of Philadelphia, Philadelphia, Pa. 367 U.S.
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